

1702.

755. a

Apollo Anglicanus,

THE

ENGLISH APOLLO,

Assisting

All Persons in the Right Understanding of this Years Revolutions, as also of things past, present, and to come.

With necessary Tables, plain and useful.

A twofold Kalendar, viz. *Julian* or *English*, *Gregorian* or *Foreign* Computations, more plain and full than any other, with the Rising and Setting of the Sun, the nightly Rising and Setting of the Moon, and also her Southing, exactly calculated for every day. Of general use for most men.

Being the second after *Bissextile* or *Leap-Year*.

To which is added the Moons application to the fixed Stars: With the Calculation of the Eclipses: also Rules and Tables for the measuring of Timber: with many other things both pleasant, useful and necessary.

Calculated according to Art, and fitted to the Meridian of *Leicester*, whose Latitude is 52 Degrees 41 Minutes, exactly fitting all the middle Counties of England, and with our sensib. error th. whole Kingdom.

By *RICHARD SAUNDER*,
Student in the *Physical* and *Mathematical Sciences*.

LONDON, Printed by *J. Wilde*, for the
Company of *STATIONERS*, 1702.

Phemides

The *Julian* or Old Ac- **1702.** } The *Gregorian* or New
count used in *Engl.* } Still used beyond Sea

	12	The Golden Number.		12
	D	The Dominical Letter.		A
	12	The Epact.		1
February	13	Shrove-Sunday.	February	26
May	14	Ascension-Day.	May	29
May	24	Whit-Sunday.	June	7
November	29	Advent-Sunday.	December	5

A Table of the Terms and their Returns.

Hilary Term begins *January 13*, ends *February 12*

<i>Essoin-days.</i>		<i>Except.</i>	<i>Ret. Brev.</i>	<i>Appar.</i>
O ^{ct} ab. Hilar. Jan.	20	January 21	Jan. 22	Jan. 23
Quind. Hilar. Jan.	27	January 28	Jan. 29	Jan. 30
Graftin. Purif. Feb.	3	February 4	Febr. 5	Febr. 6
O ^{ct} ab. Purif. Feb.	10	February 10	Febr. 11	Febr. 12

Easter Term begins *April 22*, ends *May 18*.

Quind. Pasch. April	20	April 21	April 21	April 22
Tres Pasch. April	27	April 28	April 29	April 30
Mens. Pasch. May	4	May 5	May 6	May 7
Quinq. Pasch. May	11	May 12	May 13	May 14
Graft. Ascens. May	15	May 16	May 17	May 18

Trinity Term begins *June 5*, ends *June 24*.

Graft. Trin. June	1	June 2	June 3	June 4
O ^{ct} ab. Trin. June	8	June 9	June 10	June 11
Quind. Trin. June	15	June 16	June 17	June 18
Tres. Trin. June	22	June 23	June 24	June 25

Michaelmas Term begins *O^{ct}ob. 23*, ends *Nov. 22*

Tres Mich. O ^{ct} ob.	20	O ^{ct} ob. 21	O ^{ct} ob. 22	O ^{ct} ob. 23
Mens. Mich. O ^{ct} ob.	27	O ^{ct} ob. 28	O ^{ct} ob. 29	O ^{ct} ob. 30
Graft. Ann. Nov.	3	Novemb. 4	Novemb. 5	Novemb. 6
Graft. Mart. Nov.	12	Novemb. 13	Novemb. 14	Novemb. 15
O ^{ct} ab. Mart. Nov.	19	Novemb. 20	Novemb. 21	Novemb. 22
Quind. Mart. Nov.	26	Novemb. 27	Novemb. 28	Novemb. 29

A Table of the **KINGS and QUEENS** of England, from the Conquest

	Born Anno	Began to reign.	Reigned Since their Reign ended.	Buried.
William 1	1029	1066, Oct. 14	1101, Septem. 9	Caen N
William 2	1056	1087, Sep. 9	1102, August 2	Winche
Henry 1	1068	1100, Aug. 3	1135, Decem. 1	Reding
Stephen	1105	1135, Dec. 1	1154, Octob. 25	Feverth

The Saxon Line restor'd.

Henry 2	1132	1154, Oct. 25	1189, July 6	1193, July 16	Fountev
Richard 1	1155	1189, July 6	1199, April 6	1205, April 6	Fountev
John	1165	1199, April 6	1216, Octob. 19	1235, Octob. 19	Worceste
Henry 3	1207	1216, Oct. 19	1235, Nov. 16	1272, Nov. 16	Westmin
Edward 1	1239	1272, No. 16	1307, July 7	1307, July 7	Westmin
Edward 2	1283	1307, July 7	1312, Jan. 25	1327, Jan. 25	Glocester
Edward 3	1312	1327, Jan. 25	1377, Jun. 21	1377, Jun. 21	Westmin
Richard 2	1366	1377, Jun. 21	1399, Sep. 29	1399, Sep. 29	Westmin

The Line of Lancaster.

Henry 4	1367	1399, Sep. 29	1413, Mar. 20	1413, Mar. 20	Canterbu
Henry 5	1386	1413, Mar. 20	1422, Aug. 31	1422, Aug. 31	Westmin
Henry 6	1421	1422, Aug. 31	1461, Mar. 4	1461, Mar. 4	Windfor

The Line of York.

Edward 4	1442	1461, Mar. 4	1483, Apr. 9	1483, Apr. 9	Winchett
Edward 5	1471	1483, Apr. 9	1483, Jun. 18	1483, Jun. 18	Not kno.
Richard 3	1448	1483, Jun. 18	1493, Aug. 22	1493, Aug. 22	Leicest.

The Families United.

Henry 7	1455	1485, Aug. 22	1509, Apr. 22	1509, Apr. 22	Westmin.
Henry 8	1491	1509, Apr. 22	1547, Jan. 28	1547, Jan. 28	Windfor
Edward 6	1537	1547, Jan. 28	1553, June 6	1553, June 6	Westmin.
Qu. Mary 2	1518	1553, June 6	1558, No. 17	1558, No. 17	Westmin.
Qu. Elizab. 1	1533	1558, No. 17	1603, March 24	1603, March 24	Westmin.

The Union of the two Kingdoms.

James 1	1566	1603, Mar. 24	1625, Mar. 27	1625, Mar. 27	Westmin.
Charles 1	1600	1625, Mar. 27	1649, Jan. 30	1649, Jan. 30	Windfor
Charles 2	1630	1649, Jan. 30	1685, Febr. 6	1685, Febr. 6	Westmin.
James 2	1633	1685, Feb. 6	1688, Febr. 13	1688, Febr. 13	Westmin.
William & Mary 2	1650	1689, Feb. 13	1702, Dec. 28	1702, Dec. 28	Westmin.

You here may see a Race of Monarchs Great,
When one resign'd, when t'other took the Seat.

Of these some mighty were in Feats of Arms,
Others much fam'd, admir'd for peaceful Charms.

The present fam'd for both, to pray now let's not cease,

That Prosper still he may, whether in War or Peace. *Omnis Potestas à Deo est*

A Table shewing the time of the Moon's coming to the South in Hours and Minutes, every day for the first six Months of this Year 1702.

Days	Jan.		February		March		April		May		June	
	H.	M.	H.	M.	H.	M.	H.	M.	H.	M.	H.	M.
1	11	A. 00	12	20	11	A. 8	12	41	0	M. 23	1	M. 36
2	11	57	0	M. 20	12	7	0	M. 41	1	20	2	53
3	12	52	1	14	0	M. 7	1	38	2	19	3	46
4	0	M. 52	2	8	0	58	2	34	3	19	4	36
5	1	47	3	2	1	54	3	31	4	18	5	27
6	2	38	3	56	2	50	4	28	5	10	6	9
7	3	30	4	52	3	46	5	26	6	00	6	51
8	4	21	5	46	4	41	6	18	6	50	7	33
9	5	12	6	40	5	36	7	10	7	34	8	15
10	6	02	7	35	6	30	8	3	8	17	8	57
11	6	52	8	28	7	22	8	47	9	00	9	40
12	7	47	9	21	8	14	9	31	9	41	1	28
13	8	41	10	12	9	7	10	16	10	22	11	16
14	9	37	11	4	9	5	10	58	10	5	12	5
15	10	33	11	51	10	41	11	40	11	52	12	57
16	11	26	12	39	11	27	12	23	12	39	1	A. 49
17	12	20	1	A. 21	12	10	1	A. 8	1	A. 25	2	40
18	1	A. 7	2	4	12	53	1	54	2	16	3	31
19	1	54	2	46	1	A. 36	2	39	3	7	4	23
20	2	38	3	39	2	20	3	30	4	00	5	13
21	3	23	4	12	3	4	4	21	4	51	6	4
22	4	5	4	56	3	49	5	12	5	43	6	55
23	4	46	5	44	4	39	6	4	6	35	7	46
24	5	29	6	32	5	29	6	56	7	26	8	42
25	6	11	7	26	6	18	7	48	8	17	9	38
26	7	00	8	2	7	12	8	41	9	7	10	35
27	7	48	9	16	8	6	9	34	10	4	11	33
28	8	41	10	12	9	1	10	27	11	1	12	31
29	9	35			9	56	11	25	12	57	0	M. 31
30	10	30			10	49	12	23	0	M. 57	1	29
31	11	26			11	44						

A Table shewing the time of the Moon's coming to the South in Hours and Minutes, every day for the last six Months of this Year 1702.

Days	July		August		Septem.		Octob.		Novem.		Decem.	
	H.	M.	H.	M.	H.	M.	H.	M.	H.	M.	H.	M.
1	2	M.19	3	M.15	4	M.14	4	M.37	5	M.56	6	M.10
2	3	9	3	57	5	00	5	28	6	46	6	58
3	3	58	4	40	5	46	6	19	7	36	7	49
4	4	40	5	25	6	37	7	9	8	25	8	40
5	5	21	6	10	7	28	8	1	9	18	9	32
6	6	3	6	55	8	18	8	53	10	11	10	31
7	6	47	7	46	9	12	9	45	11	4	11	30
8	7	31	8	37	10	6	10	39	12	3	12	29
9	8	14	9	27	10	1	11	33	1A.	2	1A.	28
10	9	3	10	22	11	54	12	26	2	1	2	27
11	9	52	11	17	12	47	1A.	24	3	0	3	24
12	10	42	12	12	1A.	40	2	22	4	0	4	18
13	11	37	1A.	4	2	35	3	20	4	58	5	6
14	12	32	1	56	3	30	4	19	5	47	5	52
15	1A.	26	2	49	4	25	5	18	6	35	6	33
16	2	17	3	42	5	23	6	17	7	24	7	14
17	3	8	4	35	6	20	7	7	8	7	7	56
18	3	58	5	28	7	18	7	57	8	50	8	41
19	4	49	6	25	8	10	8	47	9	32	9	26
20	5	40	7	22	9	2	9	30	10	14	10	10
21	6	31	8	18	9	55	10	13	10	56	11	00
22	7	27	9	12	10	41	10	57	11	39	11	48
23	8	23	10	6	11	27	11	40	12	27	12	36
24	9	20	11	1	12	12	12	23	OM.	27	OM.	36
25	10	16	11	48	OM.	12	OM.	23	1	15	1	26
26	11	12	12	35	0	54	1	5	2	3	2	16
27	12	9	OM.	35	1	36	1	52	2	53	3	7
28	OM.	9	1	22	2	19	2	39	3	43	3	55
29	0	57	2	5	3	5	3	26	4	34	4	42
30	1	45	2	47	3	51	4	16	5	22	5	30
31	2	33	3	29			5	6			6	18

To find the time of High Water in most Ports of England.

First seek the Moon's Southing on the foregoing Table for your Day, then you may conclude it High-Water at Southampton, Quinborough and Portsmouth, for there the South and North Moons make a High-Water: But when you desire the time of Full Sea in any of the following Coasts in the ensuing Table, find the name of the Place, and see how many Hours and Minutes be annex'd thereunto in the Column under H. M. which added to the time of the Moon's coming to the South, gives the time of High-Water at the Place required.

A Tide Table, with the Names of the Havens.

	H.	M.
Rochester, Malden, Aberdeen,	0	45
Gravesend, Romney, Ramkins,	1	30
London, Tinnmouth, Hartle-pool,	3	0
Frith, Leith, Dunbar, Narbon,	4	30
Newcastle, Falmouth, Humber,	5	15
Lyn, Answerp, Plymouth, Hull,	6	0
Bristol, Lanion, Foulness,	6	45
Milford, Bridg-water, North-coast,	7	30
Portland, Peterport, Hartflew,	8	51
Dover, Yarmouth, Harwich, Dublin,	10	30
Calan, Rye, Winchelsea, Calsker,	11	15

Example.

The 20th. Day of April, this Year, it is Required to know the Time of High-Water at London: By the Table of the Moon's coming to the South, against April the 20th. I find the Moon South at 3 ho. 30 min. Afternoon, then in the Tide-Table above, I find against London, 3 ho. 00 min. which being added to 3 ho. 30 min. makes 6 ho. 30 min. the Time of High-Water at London, April the 20th. in the Afternoon, so of any other.

Note, That the Tide floweth considerable more at the New and Full Moons, than at the First and Last Quarters, as also the Latitude of the Moon and Winds may alter it an hour sooner or later.

Directi-

Directions for the subsequent Diary or Almanack.

[N the first Column to the left hand, on the left-hand Page you have the Numerical Figures of the days of the Month.

In the second Column you have the week days, and the Dominical Letter.

In the third Column you have the Saints days, and the places of the Planets once a Month; as also the Moons application to the fixed Stars, by which the Asterisms and Constellations may be easily known to an ingenious eye and understanding.

In the fourth Column the Moons place in the Zodiack, every day at noon.

In the fifth Column the rising and setting of the Moon, with respect to her Latitude.

In the sixth Column the Mutual Aspects of the Planets with the general state of the Weather.

In the first Column on the Right-hand Page you have the English Account.

In the second Column you have the Roman Account, being now 11 days before ours.

In the third Column the Roman Week days.

In the fourth Column the perfect Roman Kalendar, and Saints days.

In the fifth Column you have a discourse of the Motion of the Earth.

The sixth, seventh and eighth Columns, the utmost to the Right hand, shew you the daily Rising and Setting of the Sun.

On the top of the Left hand Page is set the New and Full Moons, with the first and last Quarters.

On the top of the Right hand Page is set the Rising, South-ing and Setting of the Planets.

January hath xxxi days.

- Full Moon the 3d. day, at 1 in the morning.
- ☾ Last Quarter the 9th. day, at 11 at night.
- ☾ New Moon the 17th. day, at 2 in the morning.
- ☾ First Quarter the 25th. day, at 3 in the morning.

1	a	New-Years-Day	canc.	36	M.22	Set 1	* ☉ ♄ Windy
2	b	D n. Castor	canc.	16	18		but moderate in
3	c	D n. Asellus	leo	0	Full	Moon's Rising.	respect of cold;
4	d	D n. Cap. Leon.	leo	13	5 A. 56		now some Frosts
5	e	D n. Cor. Leon.	leo	27	7 14	Moon's Setting.	of short continu-
6	f	Epiphany	virgo	11	8 30		ance with some
7	g	D n. Sin. Ala. Vir.	virgo	26	9 56	Moon's Setting.	* ♃ ♀ Mists and
8	a	D n. Spica Virg.	libra	10	11 11		foggy Weather.
9	b	Sol in Aquarius	libra	25	12 32	Moon's Setting.	and about the
10	c	D n. Lanx Aust.	scorp.	8	0 M.33		11th. day, Wind,
11	d	Sun. past Epiph.	scorp.	22	1 50	Moon's Setting.	with Rain or
12	e	D n. Cor. Scorp.	sagit.	6	3 4		Δ ♄ ♂ Snow, fol-
13	f	Hilary.	sagit.	20	4 17	Moon's Setting.	lowed with Frost,
14	g	♄ ♀ 23.	capri.	4	5 30		but about the
15	a	♃ ♀ 10.	capri.	17	6 27	Moon's Setting.	♄ ♀ ♀ New
16	b	♄ ♀ 24.	aqua.	0	7 17		Moon yielding,
17	c	♄ ♀ 25.	aqua.	13	New	Moon's Setting.	with Rain, Snow,
18	d	Sun. past Epiph.	aqua.	26	6 A. 4		or Sleet, after
19	e	♄ ♀ 25.	pisces	9	7 13	Moon's Setting.	Δ ♂ ♀ which the
20	f	D n. Caud. Ceti	pisces	21	8 22		* ♂ ♀ Frost re-
21	g	Agnes	aries	3	9 27	Moon's Setting.	turns, and may
22	a	D n. Vent. Ceti	aries	15	10 33		probably conti-
23	b	Term begins	aries	27	11 46	Moon's Setting.	nue till after
24	c	D n. Marker	taur.	9	12 46		the first Quar-
25	d	Conver. S. Paul	taur.	21	0 M.46	Moon's Setting.	ter, then windy
26	e	D n. Aldebaran	gem.	3	52		and unconstant
27	f	D n. Alhaiot	gem.	15	2 58	Moon's Setting.	Weather is ex-
28	g	D n. dex. hum. au.	gem.	28	4 2		pected for some
29	a	D n. Castor	canc.	11	5 5	Moon's Setting.	days; and at
30	b	Ch. I. Martyr.	canc.	24	5 58		the end of the
31	c	D n. Aselli	leo	8	6 42	Moon's Setting.	month highwinds.

January 1702.

Satur n, at the beginning, sets about 9 at Night,
at the end he sets about 8. *Jupiter* sets about
an hour before him.

Mars riseth between 2 and 3 in the morning.

Venus, in the middle of the month, sets with *Saturn* betwixt 8 and 9 at night.

Mercury riseth before the Sun.

112	e	Satyrius	Whether the Earth move	18	73	53
213	f	Hilary	or stand still, hath been a	28	5	55
314	g	Felix	Problem, &c. Upon this in	3	4	56
415	a	2 Sun. p. Epi.	my two last, I mentioned se-	4	2	58
516	b	Marcellus	veral that had endeavoured	58	13	59
617	c	Anthony	a Reconciliation of such Scrip-	67	594	1
718	d	Prisca	ture Texts, as have been al-	7	58	2
819	e	Pontion	ledged against the Pythagor.	8	56	4
920	f	Fab. & Seb.	an, or Copernican Hypothe-	9	55	5
1021	g	Agnes	sis. Of these the Learned	10	53	7
1122	a	3 Sun. p. Epi.	Jo. Kepler, in his Treatise	11	52	8
1223	b	Emerent	Ex introductione in Mor-	12	7504	10
1324	c	Timothy	tem, hath these words, Jam	13	49	11
1425	d	Con. S. Paul	vero & sacrae literae, de	14	47	13
1526	e	Polycarp	rebus vulgaribus in qui-	15	46	14
1627	f	Jo. Chrysoft.	bus, &c. But now the Sacred	16	44	16
1728	g	Caro. M. g.	Scriptures speaking to Men	17	43	17
1829	a	4 Sun. p. Epi.	of vulgar Masters, (in which	18	41	19
1930	b	Adelgund.	they were not intended to in-	19	39	21
2031	c	Cyrianus	struct Men) after the man-	20	7384	22
21Feb.	d	Bridget	ner of Men, that so they	21	36	24
222	e	Pur. V. Mary	might be understood by Men,	22	34	26
233	f	Blase	do use such Expressions as	23	33	27
244	g	Gilbert	are granted by all, thereby to	24	31	29
255	a	5 Sun. p. Epi.	insinuate other Things more	25	729	31
266	b	Dorothea	Mysterious and Divine;	26	274	33
277	c	Zachary	What wonder is it then, if	27	25	35
288	d	Corinthia	the Scriptures speak, accord-	28	23	37
299	e	Apollon.	ing to Mans Apprehensi-	29	21	39
3010	f	Scholastica.	on at such time when the	30	19	4
3111	g	Euphrosin	Truth of Things doth	31	1744	4

February hath xxviii Days.

- Full Moon the 1st. day, at 2 in the afternoon.
- ☾ Last Quarter, the 7th. day, at 1 in the afternoon.
- New Moon, the 15th. day, at 6 at night.
- ☾ First Quarter, the 23d. day, at 10 at night.

Mon. Day.	Week Day.	Festival & Saints days, with the applicatio. to the noted fix'd stars.	The place in the zodiack at Noon	The Rising fro. the full to the change, & setting fr. the obs. to the F.	The mutua. Af. of the Plan. with the var. com. of air. & cha. of wea.
1	A	Septuagesima.	leo 22	Full ●	High Winds are expected at the beginning, followed with some Frosts; and about the eighth day stormy, with Snow, then ☉ ☽ ☿. frosty for some days; and towards the New ☉ stormy Weather with Rain or Snow. ☐ ☽ ☿. Then follows drizzling, cloudy and close ☉ ♃ ☿. Weather for several days, but about the 23d. day, Wind with Snow ☉ ♃ ☿ is expected, and continues stormy and cold. But at the end ☐ ☉ ☽ more moderate.
2	E	Purif. Mary.	virgo 7	6 A. 5	
3	F	D n. Au. Ala. vir.	virgo 21	7 29	
4	G	D n. Sin. Ala. vir.	libra 6	8 50	
5	A	D n. Spica virg.	libra 20	10 13	
6	B	D n. Lanx. Au.	scorp. 5	11 36	
7	C	D n. Lanx. Boreal	scorp. 19	12 53	
8	D	Sexagesima.	sagit. 3	0 M. 53	
9	E	Sol in Pisces.	sagit. 17	2 11	
10	F	♄ ♀ 25.	capr. 0	3 17	
11	G	♄ ♀ 15.	capr. 13	4 23	Moon's Rising.
12	A	Term ends.	capr. 27	5 8	
13	B	♄ ♀ 11.	aquar. 9	5 54	
14	C	Valentine.	aquar. 22	6 26	
15	D	Quinquagesima.	pisces 5	New ● -	
16	E		pisces 17	6 A. 9	
17	F	Shrove-Tuesday	pisces 29	7 15	
18	G	Ash-Wednesday	aries 11	8 21	
19	A	♄ ♀ 24.	aries 23	9 27	
20	B	♄ ♀ 20.	taur. 5	10 34	
21	C	D n. Pleiades.	taur. 17	11 42	Moon's Setting.
22	D	Quadragesima.	taur. 29	12 50	
23	E	D n. Alhoiot.	Gem. 11	0 M. 50	
24	F	S. Matthias.	Gem. 23	1 50	
25	G	Ember-Week.	Can. 6	2 51	
26	A	D n. Pollux.	Can. 19	3 43	
27	B	D n. Aselli.	leo 24	36	
28	C	D n. Cor. Leon.	leo 16	5 14	

February 1702.

Saturn sets between 7 and 8 at night. Jupiter sets before him, but toward the end is hid under the Sun Beams.

Mars riseth about 2 in the morning.

Venus sets about 9 at night.

Mercury, at the beginning, goeth to Combustion, at the end he sets after the Sun, and may be seen.

Ferie state Of the Motion of the Earth.



12	A	Septuagesima	dissent from the Conception	17	16	4	44
13	h	Eustatius	that all Men, whether learn-	2	14		46
14	t	Valentine	ed, or unlearned, have of	3	12		48
15	u	Faustin	them? Who knows not that in	4	10		50
16	r	Juliana	is a Poetical Allusion, Psal. 19	5	8		52
17	f	Dioscorus	Where, whilst under the	6	6		54
18	g	Concordia	Similitude of the Sun, the	7	4		56
19	A	Sexagesima	Cour'e of the Gospel, as also	8	2	4	58
20	h	Mildred	the Peregination of our	9	0	5	00
21	t	Efajas	Lord Christ in this World,	10	6	58	5
22	d	Cath. Pet.	undertaken for our Sakes, is	11	56		4
23	r	Serenus	described. The Sun is said	12	54		6
24	f	S. Matthias	to come out of his Taberna-	13	52		8
25	g	Inv. Pauli	cle, of the Horizon, as a	14	50	10	
26	A	Quinquag.	Bridegroom out of his Cham-	15	48	12	
27	h	Mestor	ber, rejoiceth as a Giant to	16	46	14	
28	t	Shrove-Tu.	run a Race; which Virgil	17	6	44	5
Mar.		Ash-Wedn.	thus imitates, Tithono	18	42	18	
2	r	Ceddus B.	croceum linqueus Aurora	19	40	20	
3	f	Cunegund	cubile: For the first Poets	20	38	22	
4	g	Adrian	were amongst the Jews. The	21	36	24	
5	A	Quadiagesi.	Psalmist knew that the Sun	22	6	34	5
6	h	Frodelin	went not forth of the Hori-	23	32	28	
7	t	Perpetua	zon, as out of his Taberna-	24	30	30	
8	d	Cyprian	cle, and yet it seemeth to the	25	27	33	
9	r	Prudent	Eye so to do; Nor did he	26	25	35	
10	f	Agapitus	believe, that the Sun mo-	27	23	37	
11	g	Olwin	ved, for that it appeared	28	6	21	5
			to his Sight so to do. And				39

March hath xxxi days.

- Full Moon the 2d. day, at midnight.
- ☾ Last Quarter the 9th. day, at 5 in the afternoon.
- New Moon the 17th. day, at 11 in the morning.
- ☾ First Quarter the 25th. day, at 2 in the afternoon.

1	D	Sunday in Lent	virgo	15	M. 52	☐ ♀ ♂ fair, and
2	E	D n. Caud. Leon.	virgo	15	Full ●	frosty at the be-
3	F	D n. Vindemiati.	libra	06	A. 34	☐ ☉ ♂ ginning
4	G	D n. Spica Virg.	libra	15	8 00	then follows
5	A	D n. Lanx Aust.	scorp.	19	25	windy Weather
6	B	D n. Lanx Boreal	scorp.	15	10 46	with some Storms
7	C	D n. Cor. Scorp.	scorp.	29	12 07	yet generally
8	D	Sunday in Lent	sagit.	13	0 M. 07	dry and seasona
9	E	D n. Sin. Man. Sa.	sagit.	27	1 15	♂ ☉ ♀ ble. and
10	F	Sol in Aries	capr.	10	2 23	right March Wea
11	G	D n. Aust. Co. Ca.	capr.	23	3 13	ther, and is ex
12	A	D n. L. in Man.	aqua.	64	03	pected to conti
13	B	D n. Sin. Hum.	aqua.	19	4 34	nue till about the
14	C	D n. Dex Bra.	pisces	15	05	the New Moon
15	D	Mid. Lent Sund.	pisces	14	5 29	then probably
16	E	♂ ♀ 000.	pisces	26	5 47	we may have
17	F	♂ ♀ 25.	aries	8	New ●	some moist and
18	G	♂ ♀ 000.	aries	20	7 A. 20	stormy Weather
19	A	♀ ♂ 1 R.	taur.	28	28	Δ ♂ ♀ with some
20	B	♀ ♀ 15 R.	taur.	14	9 37	Storms also a
21	C	Benedict	taur.	25	10 42	☐ ♀ ♂ bout the
22	D	Sunday in Lent	gem.	7	11 48	♂ ☉ ♀ 23d days
23	E	D n. Alhaiot	gem.	19	12 48	after which some
24	F	D n. Luc. Pe. II	canc.	20	M 48	fair and warm
25	G	Annu. B. Mary	canc.	14	1 48	Weather is ex
26	A	D n. Procyon	canc.	27	2 38	pected, and con
27	B	D n. Afellus	leo	10	3 20	tinues for some
28	C	D n. Cor. Leon.	leo	24	3 53	days. But the
29	D	Palm Sunday	virg.	8	4 27	end produceth
30	E	D n. Aust. ala. vir	virg.	23	4 52	Wind and drif
31	F	D n. Vindemiati.	libra	8	5 18	ling Rain.

Moon's Rising.

Moon's Setting.

Korin. Accom

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March 1702.

Saturn and *Jupiter*, at the beginning, are both hid under the Sun Beams, at the end they emerge, and may be seen rising before the Sun.
Mars riseth about 2 in the morning; *Venus*, at the beginning, sets after the Sun, at the end she is hid under his Beams.
Mercury, at the beginning, sets after the Sun; toward the end he is Consumed.

1	12	A	Reminiscere	And yet be Iasse born, for	16	18	5	42
2	13	b	Euphrasia	that both were so to his	2	16		44
3	14	c	Eucychus	seeming. Neither is it to be	3	14		46
4	15	d	Longinus	judged false in either Sense,	4	11		49
5	16	e	Herbert	for the perception of the Eyes	5	9		51
6	17	f	Gertrude	hath its Verity, fit for the	6	7		53
7	18	g	Edward R.	more secret purpose of the	7	5		55
8	19	A	Oculi	Psalmist in shadowing forth	8	3		57
9	20	b	Cuthbert	the current Passage of the	9	1	5	59
10	21	c	Benedict	Gospel, as also the Peregrina-	10	5	59	6
11	22	d	Aphrodis.	nation of the Son of God.	11	57		3
12	23	e	Victorin	Joshua likewise mentioneth	12	55		5
13	24	f	Quirinus	the Vallies, on, or in which	13	53		7
14	25	g	Ann.B.V.M.	the Sun and Moon moved,	14	51		9
15	26	A	Latere	for that they appeared to him	15	49		11
16	27	b	Jo. Erem	at Jordan so to do; and yet	16	47		13
17	28	c	Gideon	both these Pen Men may ob-	17	45		15
18	29	d	Eustach	tain their ends. David (and	18	43		17
19	30	e	Guidon	with him Syracides) the Mag-	19	41		19
20	31	f	Salbina	nificence of God being made	20	5	39	6
21		April	Theodore	known, which caused these	21	37		23
22		A	Judica	things to be in this manner	22	35		25
23		b	Ulpian	represented to Sight, or other-	23	33		27
24		c	Ambrose	wise, the mystical Meaning,	24	31		29
25		d	Vincent	by means of these Visibles be-	25	29		31
26		e	Sixtus	ing discern'd: And Joshua,	26	26		34
27		f	Egesippus	in that the Sun, as to his	27	24		36
28		g	Dionysius	Sense of Seeing, staid a whole	28	22		38
29		A	Palm Sund.	day in the midst of Heaven;	29	20		40
30		b	Ezechiel	whereas to others, at the	30	5	17	6
31		c	Leo	same time, it lay hid under	31	5	15	6
				the Earth.				45

April hath xxx Days.

- Full Moon, the 1st. day, at 10 in the morning.
- ☾ Last Quarter, the 8th. day, at 3 in the morning.
- New Moon the 16th. day, at 3 in the morning.
- ☽ First Quarter, the 24th. day, at 2 in the morning.
- Full Moon, the 30th. day, at 6 in the afternoon.

1	♂	♂	D n Spica Virg.	libra	23	Full ●	windy and some
2	♂	♂	Lanx Aust.	corp.	97	A. 24	♂ ☉ ♀ cold drif
3	♂	♂	Front Scorp.	scorp	24	8 20	lings at the be
4	♂	♂	D n Cor. Scorp.	sagit.	89	17	ginning; then
5	♂	♂	Easter-day	sagit.	23	10 15	☐ ♂ ♀ follow
6	♂	♂	♂ ♀ 3.	capri.	7	11 13	some warmer
7	♂	♂	♂ ♀ 29.	capri.	20	12 06	Weather, with
8	♂	♂	♂ ♀ 5.	aqua.	30	M 06	gentle Showers
9	♂	♂	Sol in Taurus	aqua.	16	1 00	and right April
10	♂	♂	♀ ♀ 20. R.	aqua.	28	1 49	Weather.
11	♂	♂	♀ ♀ 7. D.	pisces	11	2 37	Now expect
12	♂	♂	Low Sunday	pisces	23	3 29	cloudy and close
13	♂	♂	D n Algenib	aries	54	22	and about the
14	♂	♂	D n Vent. Ceti	aries	174	41	New Moon some
15	♂	♂	D n prim. * Ar.	aries	295	01	warm Showers
16	♂	♂	D n Manker	taur.	11	New ●	are expected;
17	♂	♂	D n Pleiades	taur.	238	A. 41	and also about
18	♂	♂	D n Aldebaran	Gem.	49	46	the 20th. day
19	♂	♂	2 Sun. past East.	Gem.	16	10 52	Rain with Wind
20	♂	♂	D n Dex. hu. Au.	Gem.	29	11 46	☐ ♂ ♀ and con
21	♂	♂	D n Castor	canc.	11	12 41	♂ ♀ ♀ tinues
22	♂	♂	Term begins	canc.	230	M 41	showry, and the
23	♂	♂	S. George	leo	6	1 20	☐ ♂ ♀ latter part
24	♂	♂	D n Cor. Leonis	leo	202	0	of the Month is
25	♂	♂	S. Mark	virgo	32	29	△ ☉ ♂ expecte
26	♂	♂	3 Sun. past East.	virgo	172	57	ed to be very
27	♂	♂	D n Vindemiati.	libra	23	23	showry, and at
28	♂	♂	D n Spica Virg.	libra	173	46	the end, some
29	♂	♂	D n Lanx Aust.	scorp.	2	Full ●	cold Winds, with
30	♂	♂	D n Lanx Boreali	scorp.	17		Storms of Rain

Moon's Rising.

Moon's Setting.

April 1702.

Saturn and Jupiter rise near together, about an hour before the Sun. Mars riseth about 1 in the morning.

Venus, at the beginning, is Combuſt, at the end ſhe emergeth from under the Sun Beams, and riſeth before him;

Mercury alſo riſeth before the Sun.

Rom. st. days
Rom. Calendar.
Forcin. Acron.
Engliſh Acron.

1	12	D	Julius	But incogitant Persons look	15	12	6	48
2	13	E	Justinus	only upon the contrariety of	2	10		50
3	14	F	Tiburtius	Words, the Sun stood still,	3	8		52
4	15	G	Perpetua	that is, the Earth stood still,	4	6		54
5	16	A	Paſcha	not conſidering, that this	5	4		56
6	17	H	Anicetus	contradiction is confined with-	6	2		58
7	18	C	Valerian	in the Limits of the Opticks	7	5	0	00
8	19	D	Timon	and Astronomy: For which	8	4	5	2
9	20	E	Sulpitius	Cauſe it is not outwardly	9	5	6	4
10	21	F	Simeon	exposed to the Notice and	10	5	4	6
11	22	G	Quintin	Uſe of Men: Nor will they	11	5	2	8
12	23	A	Quaſimod	underſtand, that the only	12	5	0	10
13	24	H	Albertus	Thing Joſhua prayed for,	13	4	8	11
14	25	C	S. Mark	was, That the Mountains	14	4	6	14
15	26	D	Cletus	might not intercept the Sun	15	4	4	16
16	27	E	Anaſtaſius	from him; which Requeſt,	16	4	2	18
17	28	F	Vitalis	he expreſſeth in Words that	17	4	0	20
18	29	G	Pet. de Mil.	ſuited with his Ocular Senſe.	18	3	9	21
19	30	A	Miſericord	Befides, it had been unrea-	19	3	7	23
20	May	S. Phil. & Ja.	ſonable at that time to think	20	3	5	25	
21	2	C	Albaſaſius	of Astronomy and the Errors	21	3	4	26
22	3	D	Inv. Crucis	of Sight: For if any one	22	3	3	27
23	4	E	Florianus	ſhould have told him that the	23	3	1	29
24	5	F	Gothard	Sun could not really move up-	24	4	3	30
25	6	G	Jo. Por. Lat.	on the Valley of Ajalon, but	25	2	8	32
26	7	A	Jubilate	only in relation to Senſe,	26	2	6	34
27	8	H	Stanilaus	would not Joſhua have re-	27	2	5	35
28	9	C	Epinach	plied, That his deſire was,	28	2	3	37
29	10	D	Gordi. Sc.	that the Day might be pre-	29	2	1	39
30	11	E	Mamert	longed, ſo it were by any	30	4	1	41
				means whatſoever.				

May hath xxxi Days.

- ☾ Last Quarter the 7th. day, at 4 in the afternoon.
- New Moon the 15th. day, at 7 at night.
- ☾ First Quarter the 23d. day, at 10 in the morning,
- Full Moon the 30th. day, at 1 in the morning.

1	h	S. Phil. and Jacob	sagit. 28 A.	48
2	c	D n. Dext. h. Op.	sagit. 17 10	01
3	D	Sun. past Easter	capri. 1 11	14
4	e	D n. Caud. Vult.	capri. 15 12	03
5	f	D n. Luc. Vultur	capri. 29 0 M.	03
6	B	D n. Sin. Hum	aqua. 12 0	52
7	a	D n. Dex. Hu.	aqua. 25 1	26
8	h	h ♀ 6.	pisces 8 2	00
9	c	♂ ♀ 6.	pisces 20 2	16
10	D	Sun. past Easter	aries 2 2	32
11	e	Sol in Gemini	aries 14 2	51
12	f	♂ ♀ 20.	aries 25 3	11
13	B	♂ ♀ 21 D.	taur. 7 3	30
14	a	ascend. Domini	taur. 19 3	49
15	h	♂ ♀ 21.	gem. 1 New	●
16	c	D n. Alhaiot	gem. 13 8 A.	48
17	D	Sun. past Easter	gem. 26 9	43
18	e	Term ends	canc. 8 10	38
19	f	D n. Cast. & Poll.	canc. 20 11	20
20	B	D n. Asellus	leo 3 12	03
21	a	D n. Cap. Leonis	leo 16 0 M	03
22	h	D n. Cor. Leonis	virgo 0 0	33
23	c	D n. Cau. Leonis	virgo 13 1	03
24	D	Whit Sunday	virgo 27 1	27
25	e	D n. Spica Virg.	libra 12 1	51
26	f	D n. Arcturus	libra 26 2	12
27	B	Ember Week	scorp. 11 2	34
28	a	D n. Sin. M. Oph.	scorp. 26 3	03
29	h	K. Ch. H. N. & R.	sagit. 10 3	33
30	c	D n. Dex. M. Sag.	sagit. 25 Full	●
31	D	Trinity Sunday	capri. 9 9 A	52

Moon's Rising.

Moon's Setting.

Cold Winds are expected at the beginning, followed with Plenty of Showers; then probably follows hot Weather for some days, and now and then ☐ ♂ ♀ some Showers of Rain with Mists and ♂ ♀ ♀ also driflings, and about Δ ♂ ♀ the 16th. day, or 17th. Thunder Showers are expected, afterwards Winds clearing the Skies and hot Weather follows. But the * ♀ ♀ 24th. or * ♀ ♀ 25th. day afford some cool. ♂ ☉ ♀ ing Gales of Wind, then hot Weather is expected to follow with drifling Rain at the end.

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Saturn and Jupiter will stay near together all the
 Month, and their conjunction about the 13th day may
 be well with observation, they rise when Britain
 and 3 in the Morning rise between 4 and 12 at
 Night, and 12 South between 3 and 4 in the Morn.
 Venus rises about 3 in the Morn. Mercury, &c.

12	Pancraz.	In like manner—would he	1	4	17	7	43
13	Servatius	have answered if any one	2		16		44
14	Cantate	had asked a Question about	3		14		45
15	Sophia	the Suns Mobility, and the	4		12		46
16	Peregrin	Earths Motion; but God	5		10		47
17	Torpes	easily understood by Joshus's	6		9		48
18	Vannat	words, what he asked for;	7		8		49
19	Potencia	and by arresting the Earths	8		6		50
20	Dunstan	motion, made the Sun in	9		5		51
21	Roy	in his apprehension seem to	10		3		52
22	Hospitus	stand still; for the sum of	11		2		53
23	Desider	Joshus's Prayer amounts to	12		1		54
24	Elmer	no more than this, that it	13		0		55
25	Al. Do	might thus appear to him	14		19		56
26	Quadrus	Let it in the mean time be	15		18		57
27	Body	what it would in itself, for	16		17		58
28	Exaud	that it's so seeming was not	17		16		59
29	Maxim	in vain, and ridiculous, but	18		14		60
30	Wigand	accompanied with the defi-	19		13		61
31	Petronil	ned effect. But read (saith	20		12		62
32	Paraphil	he) the 10th Chap. of my	21		11		63
33	Marcel	Book, that treats of the Op-	22		10		64
34	Erasmus	rick part of Astronomy	23		9		65
35	Pentace	where thou shalt find the	24		8		66
36	Boniface	reason why the Sun doth in	25		7		67
37	Artemius	this manner seem to all Mens	26		6		68
38	Paulus	thinking to be moved, and	27		5		69
39	Medord	not the Earth; as namely	28		4		70
40	Barnim	because the Sun appears	29		3		71
41	Gerulius	small, and the Earth bigg	30		2		72
42	St. Barn.	B Again.	31		1		73

- Left Quarter the 1st day at 10 in the Morning.
- New Moon the 1st day at 10 in the Morning.
- First Quarter the 1st day at 10 in the Afternoon.
- Full Moon the 1st day at 10 in the Morning.

1	Luc. Val	cap. 24	19A	37	Some drizzling
2	Luc. M.	cap. 24	19A	37	at the beginning
3	Sini. H.	cap. 24	19A	37	of the Month, and
4	Dex. B.	cap. 24	19A	37	about the 5th
5	Term begins	cap. 24	19A	37	some showers
6	Caud. Gen	cap. 24	19A	37	expected. E
7	Sun. p. Trin	cap. 24	19A	37	then
8	prin. A.	cap. 24	19A	37	the 2nd day
9	Den. Manker	cap. 24	19A	37	weather for seven
10	Sol. in Cancer	cap. 24	19A	37	days, and is
11	St. Barnabas	cap. 24	19A	37	God's
12	n. Alder	cap. 24	19A	37	air, and
13	n. Albeit	cap. 24	19A	37	not till after
14	Sun. p. Trin	cap. 24	19A	37	New Moon. The
15	V.	cap. 24	19A	37	cloudy
16	V.	cap. 24	19A	37	with Thunder
17	V.	cap. 24	19A	37	be expected,
18	V.	cap. 24	19A	37	otherwise
19	V.	cap. 24	19A	37	brisk Gales
20	n. Aust. A.V.	cap. 24	19A	37	of wind with
21	Sun. p. Trin	cap. 24	19A	37	Air, and some
22	n. Spica Vis.	cap. 24	19A	37	things, and
23	n. Laur. Andr.	cap. 24	19A	37	the 2nd. Term
24	Set. Io. Bapt.	cap. 24	19A	37	on the 2nd
25	n. Cor. Scor.	cap. 24	19A	37	on the 2nd
26	n. Dex. H. O.	cap. 24	19A	37	and dry
27	n. Caud. Val.	cap. 24	19A	37	collect
28	Sun. p. Trin	cap. 24	19A	37	at the 2nd
29	Pat. Andr.	cap. 24	19A	37	and some
30	n. Sini. H.	cap. 24	19A	37	

Saturn and Jupiter rise near together about 1 in the Morning, Mars at the beginning is South, about 2 in the Morning, toward the end he is South at midnight, Venus riseth between 1 and 2 in the Morning, Mercury sets after the Sun.

Depth Account	Ordin Account	Contra Calendar	Saints days	
1 12	b	Basilides	Again, the motion of the	1 3 43 8 17
2 13	c	Cyrellus	Sun is not discerned by the	2 43 17
3 14	d	Valerius	Eye, by reason of his seem-	3 42 18
4 15	e	Corb. Car.	ing tardity, but by ratio-	4 42 18
5 16	f	Ralandus	nication only, in that after	5 42 18
6 17	g	Botolph	some time it varleth in its	6 42 18
7 18	h	Ger. Trin.	proximity to such and such	7 41 19
8 19	i	Gervase	Mountains. Therefore it	8 41 19
9 20	j	Regina	is impossible that Reason,	9 41 8 19
10 21	k	Walburg	unless it be first instructed,	10 3 41 19
11 22	l	Albus	should frame to it self any	11 41 19
12 23	m	Basilus	other apprehension, than	12 41 19
13 24	n	J. Bapt.	that the Earth with Hea-	13 41 19
14 25	o	Jeremias	vens Arch plac'd over it, is	14 42 18
15 26	p	7 Dorm.	as it were a great House, in	15 42 18
16 27	q	Leo Papa	which being unmoveable,	16 42 18
17 28	r	St. Peter	the Sun like a bird flying in	17 42 18
18 29	s	Lucina	the Air, passeth in so	18 43 17
19 30	t	Tr. Sirith	small a species out of one	19 43 17
20 31	u	Cornelius	Climate into another ;	20 3 44 8 16
21 32	v	Ulricus	which imagination of all	21 44 16
22 33	w	Anselm	mankind being thus gave	22 44 16
23 34	x	Tranquill	the first line in the sacred	23 45 15
24 35	y	Berker	Leaves : In the beginning	24 45 15
25 36	z	Grimbald	(saith Moses) God created	25 3 46 8 14
26 37	a	7. Grades.	the Heaven and the Earth,	26 47 13
27 38	b	Benedict	for that these two are the	27 48 12
28 39	c		most obvious to the Eye,	28 49 11
29 40	d		as if Moses should have said	29 50 10
30 41	e		B 2 thus	30 51 8

- Last Quarter the 3th day at 11 at night
 New Moon the 13th day at 10 at night
 First Quarter the 20th day at 10 at night
 Full Moon the 27th day at 8 at night

13	Dn. Dex. H. π	aqua	29	10	A 13	some cooling Calcs
23	Dn. A. in C. $\times$	pices	11	10	33	of Wind at the be-
30	Dn. Caud. α	pices	24	10	54	ginning of the
40	Dn. Algenib	aries	6	11	10	Month, and about
50	Sun. p. Trin.	aries	38	12	25	* $\square$ $\square$ $\square$ $\square$
60	S. p. Trin. $\star$	Ar. taur.	0	11	47	the last Quarter
70	Dn. Caud. Ar.	taur.	12	12	9	same Showers, as
80	Dn. Pleiades	taur.	24	2	M 9	also about the $\star$
91a	Dn. Aldebar	gem.	6	0	33	8th and 10th day
100b	Dn. Alhazot	gem.	18	0	58	some showers, the
111	Sol in Leo	canc.	0	1	39	follows hot weather
120	6 Sun. p. Trin.	canc.	13	2	20	for some days, and
130	Dn. Cast. & P	canc.	26	New	0	probably some Thun-
140	Dn. Asellus	leo	9	8	A 20	der-showers, about
150	Dn. Mithra	leo	21	8	59	the 16th day, and
160	γ γ 9.	virgo	6	9	19	is expected to con-
170	γ γ 14	virgo	20	9	51	tinue showery till
180	δ γ 12.	libra	4	10	14	after the first Quar-
190	7 Sun. p. Trin.	libra	18	10	35	ter, then fair and
200	η II 24	scorp.	2	10	56	hot weather Δ
210	η δ 23 R.	scorp.	16	11	25	his expected to fol-
220	Dn. Cor. Sco.	scagit.	0	11	54	low and may pre-
230	Dn. Dex. H. O	scagit.	15	12	38	bly continue withou-
240	Dn. S. M. Sag.	capr.	29	0	M 38	much alteration Δ
250	St. James	capr.	13	1	23	$\odot$ γ except some
260	8 Sun. p. Trin.	aqua.	27	1	23	mists or driftings
270	Dn. Sin H. π	aqua.	10	Full	0	$\odot$ $\odot$ till the end
280	Dn. ex. H. π	aqua.	24	8	A 32	the Month.
290	Dn. Dex. M.	pices	7	8	34	
300	Dn. Monhab	pices	20	8	56	
310	Dn. Algenib	aries	2	9	14	

Moons rising

Moons setting

Moons rising

July 1702.

Saturn and Jupiter rise near together, at the beginning about 11. at the end about 9 at Night, Mars is South about 10 at Night, Venus rises about 1 in the Morning, Mercury follows the Sun but at the end he is Combust.

English Account.	Roman Account.	Roman Calendar.	Roman Saints days	Text	1	2	3	4	5	6	7	8	9	10	11	12
1	12	0	Annacetus	thus to Man; this whole	1	2	3	4	5	6	7	8	9	10	11	12
2	13	2	Henricus	Mundane Fabrick, which	2	3	4	5	6	7	8	9	10	11	12	13
3	14	4	Bonavent	thou seest lucid above, and	3	4	5	6	7	8	9	10	11	12	13	14
4	15	6	Swithin	dark, and of a vast extant	4	5	6	7	8	9	10	11	12	13	14	15
5	16	8	S. p. Trin	beneath, wherein thou hast	5	6	7	8	9	10	11	12	13	14	15	16
6	17	10	Hillarius	thy being, and with which	6	7	8	9	10	11	12	13	14	15	16	17
7	18	12	Alexius	thou art covered, was crea-	7	8	9	10	11	12	13	14	15	16	17	18
8	19	14	Maternus	ted by God In another place	8	9	10	11	12	13	14	15	16	17	18	19
9	20	16	Margaret	Man is questioned, whether	9	10	11	12	13	14	15	16	17	18	19	20
10	21	18	Praxeda	he can find out the height	10	11	12	13	14	15	16	17	18	19	20	21
11	22	20	Mary Mag	of Heaven above, or the	11	12	13	14	15	16	17	18	19	20	21	22
12	23	22	S. p. Trin	depth of the Earth beneath	12	13	14	15	16	17	18	19	20	21	22	23
13	24	24	Christina	for that each of them ap-	13	14	15	16	17	18	19	20	21	22	23	24
14	25	26	St. James	peareth to men of ordinary	14	15	16	17	18	19	20	21	22	23	24	25
15	26	28	Anna	Capacity to have equally an	15	16	17	18	19	20	21	22	23	24	25	26
16	27	30	Martha	infinite extent, and yet no	16	17	18	19	20	21	22	23	24	25	26	27
17	28	1	Panthol	Man that is in his right	17	18	19	20	21	22	23	24	25	26	27	28
18	29	3	Beatrix	mind, will by these words	18	19	20	21	22	23	24	25	26	27	28	29
19	30	5	S. p. Trin	circumscribe and bound the	19	20	21	22	23	24	25	26	27	28	29	30
20	31	7	German	diligence of Astronomers,	20	21	22	23	24	25	26	27	28	29	30	31
21	Aug.	9	Lammus	whether in demonstrating	21	22	23	24	25	26	27	28	29	30	31	Aug.
22	1	11	Moses	the most contemptible mi-	22	23	24	25	26	27	28	29	30	31	1	2
23	2	13	Dominic.	nity of the Earth, in com-	23	24	25	26	27	28	29	30	31	2	3	4
24	3	15	Aristar.h	parison of Heaven, or in	24	25	26	27	28	29	30	31	2	3	4	5
25	4	17	Fest. Nivis.	searching out Astronomical	25	26	27	28	29	30	31	2	3	4	5	6
26	5	19	S. p. Trin	distances Since the words	26	27	28	29	30	31	2	3	4	5	6	7
27	6	21	Cyrianus	speak not of the Rational	27	28	29	30	31	2	3	4	5	6	7	8
28	7	23	Romanus	but real dimension, which to	28	29	30	31	2	3	4	5	6	7	8	9
29	8	25	Theodosiu	a humane Body, whilst con-	29	30	31	2	3	4	5	6	7	8	9	10
30	9	27	Lawrence	fined to the Earth, and	30	31	2	3	4	5	6	7	8	9	10	11
31	10	29	Thurcius	B 3 breath-	31	32	33	34	35	36	37	38	39	40	41	42

 Last Quarter the 4th day at 5 in the Afternoon
 New Moon the 12th day at 7 in the Morning
 First Quarter the 19th day at 3 in the Morning
 Full Moon the 26th day at 8 in the Morning.

1	Lammas	aries	14	9	A	31	   
2	St. Peter	aries	26	9		52	   Foggy
3	n. Manker	taur.	8	10		12	the beginning, the
4	n. Pleiades	taur.	20	10		35	showers are expected
5	n. Aldebar.	gem.	1	11		00	   ed to be
6	n. Alaiot.	gem.	12	11		35	low, and continue
7	n. Dex. H. A.	gem.	26	12		10	showery for some
8	n. Luc. P. G.	canc.	8	0	M	10	days, then fair
9	St. John	canc.	37	1		6	some time, but
10	St. Laurent.	leo	04	2		2	ter the New Moon
11	n. Cor. Leo.	leo	18	3		26	showery weather
12	St. Mary	virgo	2				expected to be
13	n. Caud. Leo	virgo	16	8	A	00	again, and plenty
14	n. Vindemi.	libra	0	8		21	thereof, with Thun
15	n. Spica Vir.	libra	14	8		43	der about this time
16	St. Peter	libra	29	9		8	and continues show
17	n. Lanx Bor.	scorp.	13	9		34	ery till after the
18	n. 8 R.	scorp.	27	10		4	First Quarter, the
19	n. 12 R.	sagit.	11	10		34	fair and hot
20	n. 12 R.	sagit.	25	11		24	weather is
21	n. 1.	capric.	9	12		14	pected for some
22	n. 2.	capr.	22	0	M	14	days, but about the
23	St. Bartholm.	aqua.	6	1		23	Full Moon for
24	n. Dex. B.	pisces	2	3		38	showers of Rain
25	n. Marehab	pisces	15			48	expected, and
26	n. Caud. C.	pisces	28	7	A	29	   wards the
27	n. Algenib	aries	10	7		48	   end
28	Decal. J. Bapt.	aries	22	8		8	the month, high
29	n. 3.	taur.	4	8		36	Winds, with some
30	n. Caud. Ar.	taur.	16	8		43	drizzling.

Moons setting.

Moons rising.

*Scorpio and Jupiter come to the same point together
 at the beginning about 3, at the end between 8 and
 9 in the Morning. Mars sets about Midnight
 Venus rises about 2 in the Morning, Mercury rise
 before the Sun, and the midst of the month may be
 seen.*

11	Class V.	breathing in the Air, is al-	1	39	7	25
2	11	together impossible. Read	2	41		15
3	11	the whole 13 Chap. of Job	3	42		18
4	11	and compare it with those	4	44		16
5	11	points that are disputed in	5	46		14
6	11	Astronomy and Physiology.	6	48		12
7	11	If any one do alledge from	7	50		10
8	11	the 24 Psalm, that the earth	8	52		8
9	11	is founded upon the Seas, to	9	54		6
10	11	the end that he may thence	10	56		4
11	11	infer some new Principles in	11	58		2
12	11	Philosophy, absurd to hear,	12	60	7	00
13	11	as that the Earth doth float	13	6		55
14	11	upon the Waters; may it	14	8		52
15	11	not truly be told him, that	15	9		55
16	11	he ought not to meddle with	16	7		53
17	11	the Holy Spirit nor to bring	17	8		52
18	11	him with contempt into the	18	10		50
19	11	School of Physiology: for	19	12		48
20	11	the Psalmist in that place	20	14		46
21	11	means nothing else but that	21	16		44
22	11	which Men foreknow and	22	18		42
23	11	daily see by experience,	23	20		40
24	11	namely that the Earth (be-	24	22		38
25	11	inglistet up after the sepa-	25	24		36
26	11	ration of the Waters)	26	26		34
27	11	doth swim between the	27	28		32
28	11	grand Oceans, and float	28	30		30
29	11	about the Sea. Nor is	29	32		28
30	11	it strange that the ex-	30	34		26
31	11	pression	31	36		24

- ☾ Last Quarter the 10th day at 11 in the Morning
- New Moon the 10th day at 6 at Night
- ☾ First Quarter the 17th day at 10 in the Morning
- Full Moon the 14th day at 11 at Night

11	☾ n. Pleiades	taur.	28	9	D 11	☾ rising	Fair and free all
12	☾ n. Aldebar.	gem.	10	9	40	☾ rising	the beginning, and
13	☾ n. Dec. H.A.	gem.	22	10	18	☾ rising	about the 3d day
14	☾ n. Luc. Ped.	canc.	4	10	57	☾ rising	shower, but for the
15	☾ n. Cast. & Po.	canc.	16	11	58	☾ rising	most part Δ
16	☾ Sun. p. Trin.	cinc.	2	1	1	☾ rising	fair, yet some
17	☾ n. Cap. Leo.	leo	12	1	M 1	☾ rising	foggy weather with
18	☾ n. Cor. Leo.	leo	26	2	14	☾ rising	some drizzling about
19	☾ n. Cand. Leo.	virgo	10	3	36	☾ rising	the 6th day, then
20	☾ n. Aust. A. V.	virgo	26	3	New	☾ rising	fair and hot, and
21	☾ n. Vindem.	libra	9	6	D 56	☾ rising	☾ ☉ ☽ about the
22	☾ Sol in Libra	libra	24	7	21	☾ rising	14th or 15th day
23	☾ Sun. p. Trin.	scorp.	9	7	46	☾ rising	some drizzling Rain
24	☾ V 7 R.	scorp.	24	8	16	☾ rising	then follows wind
25	☾ V 9 R.	sagit.	8	8	47	☾ rising	☾ ☉ ☽ weather
26	☾ Ember Week	sagit.	22	9	33	☾ rising	with a warm, yet
27	☾ V 24 D.	capric.	6	10	20	☾ rising	☾ ☉ ☽ ☽ ☽
28	☾ V 5	capric.	19	11	22	☾ rising	moist air, and
29	☾ ☽ 9	aqua.	3	12	30	☾ rising	continue wind
30	☾ Sun. p. Trin.	aqua.	16	10	M 30	☾ rising	☾ ☉ ☽ and
31	☾ St. Matthew	aqua.	29	1	42	☾ rising	wards the, Full
32	☾ n. A. in C. X	pilces	11	2	59	☾ rising	Moon, some cold
33	☾ n. Manhab	pilces	24	4	4	☾ rising	stormy weather
34	☾ n. Algenib	aries	6	Full	☾ rising	☾ rising	followed with frost
35	☾ n. Prin. * Ar.	aries	19	6	D 19	☾ rising	Mornings, yet for
36	☾ n. Luc. in C.	taur.	1	6	36	☾ rising	the most part is
37	☾ Sun. p. Trin.	taur.	13	6	53	☾ rising	pected to continue
38	☾ n. Ploiades	taur.	24	7	25	☾ rising	air to the end of
39	☾ St. Michael	gem.	6	7	50	☾ rising	the Month.
40	☾ n. Alhaiot	gem.	18	8	26	☾ rising	

Roman Calendar.
Rom Saint days.
Forcise Account.
 Saturn and Jupiter, about the mid^d of the Month
 do come to the South near together, about midnight.
 Mars sett between 11 and 12 at Night. Venus
 riseth about 12 in the Morning. Mercury is
 Combust.

12	Guido	pression should be the same	1	18	2	12
13	Amatus	where the Israelites sing, that	2	40	20	
14	Exal. crucia	they sat on the River of Baby-	3	42	18	
15	Nicomed.	lon, that is by the River side,	4	44	16	
16	Edith	or on the Banks of Euphrates, and	5	46	14	
17	14 S. p. Tr	Jerus. If any one receive this	6	48	12	
18	Fercolus	reading without scruple, why	7	50	10	
19	Januarius	not the other? that is in those	8	52	8	
20	Fausta	same Texts, which are wont to	9	54	6	
21	St. Matthew	be alledged against the Motion	10	56	4	
22	Martice	of the Earth, we may in like	11	58	2	
23	Tecla Virg	manner turn our Eyes from na-	12	00	00	
24	15 S. p. Tr	tural Philosophy to the Scope &	1	2	58	
25	Cleophas	Intent of Scripture. Our Gene-	2	4	56	
26	Cyorian	ration passeth away (saith Ecclie-	3	6	54	
27	Col & Dam	sias) and another Generation	4	8	52	
28	Wencesla.	cometh: but the Earth abideth for	5	10	50	
29	S. Michael	ever. As if Solomon did here dis-	6	12	48	
30	Hierom.	pute with Astronomers, and not	7	14	46	
01	16 S. p. Tr	rather put men in mind of their	8	16	44	
2	Leodegar	Mutability: when as the Earth	9	18	42	
3	Maximin.	Mankinds habitation doth	10	20	40	
4	Francis	always remain the same.	11	22	38	
5	Constance	the Sons Motion doth con-	12	24	36	
6	Fides	tinually return, the wind is	1	26	34	
7	Marc, & C.	raised in a Circle, the Rivers	2	28	32	
8	17 S. p. Tr	flow from their Fountains into	3	30	30	
9	Dionysius	the Sea, and return again from	4	32	28	
10	Burchard	thence unto their Fountains: To	5	34	26	
11	Gideon	conclude, the Men of this Age	6	36	24	
		dying, others are born in their	7	38	22	
		room: the Fable of Life is ever	8	40	20	
		the same, there is nothing new	9	42	18	
		under the Sun. Here is no refer-	10	44	16	
		ence to any Physical Opinion.	11	46	14	
		Who knows not that the Earth	12	48	12	
		is always the same? who sees	1	50	10	
		not that the Sun doth arise from	2	52	8	
		the East: that the Rivers come	3	54	6	

Last Quarter the 13 day at 4 in the Morning.
 New Moon the 16th day at 4 in the Morning.
 First Quarter the 18 day at 8 at Night.
 Full Moon the 24th day at 5 at Night.

1	♂ n. Lac. P. G.	canc.	♂ 9 A	☐ ☐ ☐ Some
2	♂ n. Castor	canc.	20 95	cold winds are ex
3	♂ n. Procyon	canc.	24 10 149	pected at the be
4	♂ n. Sun	leo	7 18 721	ginning, and abou
5	♂ n. Cor. Leon.	leo	20 6 M	the 24th or 25th day
6	♂ n. L. in Te. ♀	virgo	3 1 12	drizzling rain, &
7	♂ n. Cad. Leo.	virgo	17 2 32	afterwards clear
8	♂ n. Vindemi.	libra	2 3 11	and windy for se
9	♂ n. Spica Vn.	libra	17 5 19	veral days &
10	♂ n. Lax. Au.	scorp.	1 6 18	but about
11	♂ n. Sun	scorp.	18 6 18	the 12 or 13th day
12	♂ n. in Scorpion	scorp.	3 6 51	☐ ☐ ☐ some driz
13	♂ n. V 4 R.	scorp.	18 7 30	ling rain is expe
14	♂ n. V 5 R.	capr.	2 8 25	☐ ☐ ☐ clear, then
15	♂ n. 309 ♀	capr.	16 2 18	follows fair weather
16	♂ n. 19 ♀	aqua.	10 10 10	with cold Northerly
17	♂ n. 16 ♀	aqua.	13 1 41	winds, with mists or
18	♂ n. L. in ♀	aqua.	26 2 53	drizzling Rain about
19	♂ n. Aul. in C. X	pifces	3 0 M 51	the 18th or 20th
20	♂ n. March. P.	pifces	20 2 4 5	now expect some
21	♂ n. Algenib	aries	5 9 24	frosty Mornings, and
22	♂ n. Vent. Oct.	aries	19 4 24	about ☐ ☐ ☐
23	Term begins	aries	27 5 33	the Full Moon, Mail
24	♂ n. L. in C. V	aur.	1 1 10	Rain or Snow
25	♂ n. Sun	aur.	27 6 24	☐ ☐ ☐ and to
26	♂ n. Aldebar.	gem.	15 6 55	wards the end of
27	♂ n. Alhior	gem.	15 6 26	the Month windy
28	♂ n. Sim. Co. ind.	gem.	27 7 06	weather is expo
29	♂ n. Castor	canc.	20 7 47	and.
30	♂ n. Procyon	canc.	24 10 49	
31	♂ n. Afellus	leo	3 2 43	

Foreign Account. Roman Calendar. Roman Saints days.
 Saturn and Jupiter are very near together, and at the beginning are South about 11 at Night, at the end they are South at 9 at night. Mars sets about 11 at Night, Venus rises between 4 and 5 in the Morning. Mercury sets after the Sun.

12	Colman	continually run into the Sea, that	1	6	38	22
13	Telemach	the Vicissitudes of the Winds	2	11	40	20
14	Calixtus	return into their primitive State	3	14	43	18
15	S. P. Tr.	that some men succeed others;	4	17	44	16
16	Gallus	but who considers that the self	5	20	46	14
17	Florent	same Scene of Life is ever act-	6	23	48	12
18	S. Luke	ing, by different Persons, and	7	26	50	10
19	Proloomey	that nothing is new in human	8	29	52	8
20	Wendelin	affairs? Therefore Solomon in-	9	32	54	6
21	Cordula	standing in those things which	10	35	56	4
22	S. P. Tr.	all Men see, doth put men in	11	38	58	2
23	Roman	mind of that which many tho-	12	41	60	00
24	Salome	rowly know, but too highly	13	44	62	58
25	Crispin	consider.	14	47	64	56
26	Amandus	But the 104 Psalm is thought	15	50	66	54
27	Ursula	by some to contain a discourse	16	53	68	52
28	S. S. & Jud.	altogether Physical, in regard it	17	56	70	50
29	S. P. Tr.	only concerns natural Philo-	18	59	72	48
30	Theonest	sophy. But if you well consi-	19	62	74	46
31	Wolfgang	der this Psalm, it is a Paraphrase	20	65	76	44
Nov	All Saints	upon the six days work of the	21	68	78	42
1	All Souls	Creation. For as in it the 3	22	71	80	40
2	Theophilus	first days were spent in the se-	23	74	82	38
3	Amantius	paration of Regions; the first	24	77	84	36
4	S. P. Tr.	of Light, from the exterior	25	80	86	34
5	Len 2 ^r	Darkness; the second, of the	26	83	88	32
6	Florent	Waters from the Waters by	27	86	90	30
7	Severus	the interposition of the firm-	28	89	92	28
8	Theodore	ment; the third of the Seas	29	92	94	26
9	Martin P.	from the Land, when also	30	95	96	24
10	Martin Ep.	the Earth was cloathed with	31	98	98	22
11		Herbage and Plants; and the				
		3 last days were spent in filling				
		the Regions thus distinguished;				
		The Fourth, of Heaven, the				
		Fifth, of the Seas and Air, the				
		Sixth, of the Earth: So here				
		in this Psalm, there are so ma-				
		ny distinct parts proportionable				
		to the Analogy of the 6 Days				
		Work. For verse 2, he doth				

- ☾ Last Quarter the 7th day at 8 at Night
 ● New Moon the 8th day at 2 in the Afternoon
 ☾ First Quarter the 15th day at 9 in the morning
 ● Full Moon the 23d day at Noon

1	D	All Saints	leo	15	10	D	16		Fair and fine
2	e	All Soules	leo	28	12		9		at the beginning
3	f	☾ n. Cand. Le.	virgo	12	0	M	9	☾ ☉ ☿	But about
4	g	☾ n. Au. A. V.	virgo	26	1		87		the 5th day with
5	a	Gen. Pot. Plo.	libra	10	2		45		cold stormy
6	b	☾ n. Spica Virg.	libra	25	4		18		rough weather
7	c	☾ n. Lanz Aust.	scorp.	11	5		34		expected to be
8	D	23 Sun. p. Trin.	scorp.	28		New	●		but after the
9	e	☾ n. Cor. corp.	sagit.	11	5	A	14		Moon moderate
10	f	☾ n. Sin. M. Sa.	sagit.	26	6		8	☾ ☉ ☿	charlunge
11	g	Sol in Sagit.	capr.	31	7		9		weather is expected
12	a	☾ n. Lucid Vul.	capr.	25	8		12		and may continue
13	b	☿ V 3 R.	aqua	9	9		22	☿ ☉ ☿	for frost
14	c	♂ V 4 R.	aqua	22	10		36	☿ ☉ ☿	day
15	D	24 Sun. p. Trin.	pisces	5	11		50		Then follows close
16	e	☿ X 1	pisces	18	12		58		close ☿ ☉ ☿
17	f	☿ M 20	aries	10	0	M	58		foggy weather, and
18	g	☿ 2 R 4	aries	12	2		8		continues cold, and
19	a	☾ n. Prin. ★ Ar	aries	24	3		16		and moist. ☿ ☉
20	b	☾ n. Lu. in C. V	taur.	6	4		24	☿ ☉ ☿	☿ ☉ ☿
21	c	☾ n. Pleiades	taur.	18	5		29		But about the
22	D	25 Sun. p. Trin.	gem.	9	6		34		Moon frost ☿ ☉
23	e	☾ n. Alhazot.	gem.	12		Vull	●		with snow and cold
24	f	☾ n. Dex. H. A.	gem.	24	4	D	52		northerly winds
25	g	☾ n. Luc. P. G.	canc.	6	5		41		☿ ☉ are expected
26	a	☾ n. Cast. & P.	canc.	18	6		30		and continues frost
27	b	☾ n. Asellus	leo	0	7		33	☿ ☉ ☿	☿ ☉ ☿ to the end
28	c	Term ends	leo	13	8		36		of the Month.
29	D	Advent	leo	26	9		50		
30	e	St. Andrew	virgo	9	11		41		

Saturn and Jupiter are still near together, and in the midst of the Month are South about 8 at Night, and sets about 2 in the Morning. Mars sets about 12 at Night, Venus rises about 6 in the Morning. Mercury is Combuſt.

Roman Account.
Roman Calendar
Rom. Saints days

12	a	2 S. p. Tr.	es, and covereth the Creation	17	39	4	21
13	b	Astanius	with Light (the first of Crea-	2	42		19
14	c	Frederick	tures, and work of the first	3	43		17
15	d	Leopold	day) as with a Garment; the	4	45		15
16	e	Othmorus	Second part beginneth at v. 3	5	46		14
17	f	Flugo	and treats of the Waters above	6	48		12
18	g	Oct. Mart.	the Heavens of Meteors, viz.	7	49		11
19	a	23 S. p. T.	Clouds, Winds, Whirlwinds,	8	51		9
20	b	Engenius	Lightnings. The third part be-	9	52	4	8
21	c	Obl V. M.	gin at verse 6, and doth cele-	10	54		6
22	d	Coecilia	brate the Earth, as the Founda-	11	55		5
23	e	Clement	tion of all those things which	12	57		3
24	f	Chryſogon	be here considereth. He here	13	58		2
25	g	Catharina	observeth that the Earth after	14	60	4	00
26	a	24 S. p. Tr.	so many Ages, hath not altered,	15	8	13	59
27	b	Guntherus	tired, or decayed, when as	16	9		57
28	c	Ruffus	yet discovered upon what it is	17	10		56
29	d	Saturn	found. He goth not about to	18	6		54
30	e	Sa. Andrew	teach Men what they do not	19	7		53
Dec. 1	f	Longinus	know, but putteth them in mind	20	8	23	52
2	g	Libanus	of what they neglect, to wit,	21	9		51
3	a	Advent	the Greatness and Power of God	22	10		50
4	b	Barbara	In creating so huge a Mass, so	23	11		49
5	c	Sabina	firm and steadfast. If an Astro-	24	12		48
6	d	Nicholas	nomer should teach that the	25	13	3	47
7	e	Agath. M.	Earth is placed among the Pla-	26	14		46
8	f	Con. V. M.	nets, he overthroweth not what	27	15		45
9	g	Cyprian	the Psalmist here saith, nor doth	28	16		44
10	a	2 S. Advent	he contradict common expe-	29	16		
11	b	Damali's	rience; for it is true notwithstanding that the Earth, the				
			Structure of God the Architec,				
			doth not decay (as our Build-				
			ings are wont to do) by Age,				
			or consume by worms; or sway,				
			or lean to this or that side, the				
			Mountains and Shoars stand im-				
			moveable, against the violence				

- Last Quarter the 1st day at 7 in the Morning
- New Moon the 7th day at Midnight
- First Quarter the 13th day at 2 in the Morning
- Full Moon the 23d day, at 7 in the Morning
- Last Quarter the 30th day at 6 at Night

1	f	☾ n. Au. A. m.	virgo	23	12	20		Wind and Snow
2	g	☾ n. Vindemi.	libra	6	3	M 20		is expected at
3	a	☾ n. Spica Virg.	libra	20	9	37		beginning, and a
4	b	☾ n. Iank Aurb.	scorp.	5	3	2		frost, and contin
5	c	☾ n. Iank Bor.	scorp.	19	4	44		☾ ☽ ☽ ☽ ☽
6	d	☽ S. in Advent	sagit.	4	5	45		for some days, w
7	e	☾ n. Sin. Mon.	sagit.	4	5			foggy weather
8	f	☾ n. Capr. Vult.	capr.	4	4	A 21		about the New Mo
9	g	☾ n. Eor. Vult.	capr.	19	5	37		and about the
10	h	☾ n. Lu. in M.	aquar.	4	5	46		on 14th days yel
11	i	☽ S. in Capr.	aquar.	18	8	3		ing, followed w
12	j	☽ V. 3 Direct	pisces	1	9	20		Rain, Snow,
13	k	☽ S. in Advent	pisces	14	10	32		☾ ☽ ☽ Sleet, a
14	l	☽ V. 3 Di.	pisces	27	11	45		about this m
15	m	☾ X. 1st	aries	19	12	51		Mists, and about
16	n	☽ on ob	aries	27	1	M 51		☾ ☽ ☽ 16th S
17	o	☽ 2nd	taur.	1	1	58		followed with cl
18	p	☽ 19.	taur.	15	3	6		foggy, yet fro
19	q	☾ n. Pleiades	taur.	27	4	14		weather, and ab
20	r	☽ S. in Advent	gem.	9	5	18		the 22d day ☽
21	s	☽ Thomas	gem.	21	6	24		☽ both wind a
22	t	☾ n. Luc. P. II	canc.	3	7	23		snow may be ☽
23	u	☾ n. Castor	canc.	15				☽ expected ☽ ☽
24	v	☾ n. Alsellus	capr.	27	5	A 7		followed with fr
25	w	☽ Natv. Chri	leo	10	6	16		and right winter
26	x	☽ St. Stephen	leo	23	7	26		weather, which
27	y	☽ St. John	virgo	6	8	40		probably contin
28	z	☽ Innocent	virgo	19	9	53		to the end of
29	a	☾ n. Vindemi	libra	10	2	11		Year.
30	b	☾ n. Spica Virg.	libra	16	12	28		
31	c	☾ Iank Aurb.	scorp.	5	3	M 28		

Saturn and Jupiter continue still near together, and in the midst of the Month, are South about 6 P. M. at Night, and do then set about Midnight. Mars sets about 11 and 12 at Night. Venus riseth before the Sun, but at the end is hid under his Beams. Mercury riseth before Venus.

Valerius	of the White and Warm, as	12	17	43
Lucia V.	they were at the beginning.	2	17	43
Nicolas	The 4th war begins at v. 30.	3	18	42
Abraham	celebrating the 4th Days work,	4	18	42
Ananias	viz. the Sun and Moon, but	5	18	42
2 Su. Adv	chiefly the commediousness of	6	18	42
Rufus	those things, which in their	7	19	41
Loch	Seasons becom to all living Crea-	8	19	41
Ananion	tures and to Man; this being	9	19	41
St. Thom.	the subject-matter of his dis-	10	19	41
30 Marc.	course: So that it plainly ap-	11	19	41
Victor	pears that he acted not the part	12	19	41
45 in Adv	of an Astonisher, for if he had,	13	19	41
Christmas	he would not have omitted to	14	18	42
Mr. Stephen	mention the 5 Planets, than	15	18	42
St. John	whose Motion nothing is more	16	18	42
Immanuel	admirable, nothing more ex-	17	17	43
Jonathan	cellent, nothing that can more	18	17	43
David	evidently set forth the wisdom	19	16	44
1 St. Ch.	of the Creator amongst the	20	16	44
Jan. Circumci.	learned. The fifth part begins	21	15	45
Abel	v. 29. with the fifth days work,	22	15	45
Enoch	and it stores the Sea with Fishes,	23	14	46
Methusal.	and covers them with Ships, the 5th	24	14	47
Samcon	part is more obscurely hinted at	25	13	42
Ephraim	v. 28. and alludeth to the Land	26	12	48
2 St. Epip.	Creatures that were created	27	11	49
Richard	the 6th day. And lastly, he de-	28	10	50
Mancian	clareth the goodness of God,	29	9	51
Agathon	who daily createth and prefer-	30	8	52
Hygion	reth all things: So that what-	31	7	53
	ever he said of the World is in			
	Relation to living Creatures:			
	He speaks of nothing but what			
	is granted on all hands for that			
	it was his intent to exal things			
	known and not to dive into hid-			
	den matters, but to invite men to			
	contemplate the Benefits that			
	redound unto them from the			
	work of each of these days, &c.			

the value for any number of Years, at worth
 yearly, at Interest upon Interest, or Six in the Hundred,
 shewing plainly how to discount any Lease in being, and the
 value of the Reversion after any number of Years.

The Use and Explanation of the T A B L E.							
The first Column towards the left Hand sheweth the Years, of a Lease, or Annuity, and right against each Year is the Years Months, and Tenth Parts of a Months purchase. Thus such a Lease or Annuity as is worth an Example.							
1	0	11	0	Suppose a Lease or Annuity to continue 12 Years, and you would know how many Years purchase it is worth in present Money, look in the Table for Twelve Years of a Lease to the left Hand, and against the same you shall find 13, 9, 6, which sheweth that such a Lease is worth 13 Years, 9 Months, and 6 Tenth parts of a Months Pur- chase.	17	10	5
2	1	9	9				
3	2	8	1		18	10	9
4	3	5	9		19	11	1
5	4	2	5		20	11	5
6	4	11	1		21	11	9
7	5	7	0		22	12	0
8	6	2	7		23	12	3
9	6	2	9		24	12	6
10	7	4	3		25	12	9
11	7	0	7		26	13	0
12	8	4	6		27	13	2
13	8	10	3		28	13	4
14	9	3	6		29	13	7
15	9	8	5		30	13	9
16	10	1	3		31	13	11
					32	14	1

A G U I D E :

If you are to take or buy the Reversion of any Lease or Annuity, work thus: Suppose the Lease to be Thirty Years in all, you find in the Second Table and Right Hand against Thirty Years, 9 Months, and 2 Tenth Parts of a Months Purchase, this it were worth were it in present Possession. But suppose there be a Lease of five Years, (more or, less) before you commence, look in the Table against the five Years, and there you find four Years, two Months, and 7 Tenth parts of a Months purchase. Take this out of the Sum against Thirty, which is, 13, 9, 2, the remainder is, 9, 6, 7, which is 9 Years, 6 Months, and 7 Tenth Parts of a Month, and so much is the Reversion after five Years worth, the Remainder of Thirty Years.

This is Useful, and very Easy.

The Second Part.

Containing the Eclipses; the Suns Quarterly Ingresses, the Southing of the seven Stars for every 5th. day of this Year: With directions for finding the Rising, Southing, and Setting of several Fixed Stars; Also Rules and Tables for the measuring of Board, Glass, Pavements, or other Superficial measure; as also to Measure Timber; And other things worth Observation.

The Characters of the Twelve Signs, and what parts of the Body they are said to govern.

Aries, Head & Face; ♉ Taurus, Neck & Throat; ♊ Gemini, Arms & Shoulders; ♋ Cancer, Breast & Stomach; ♌ Leo, Heart & Back; ♍ Virgo, Bowels & Belly; ♎ Libra, Arms & Loins; ♏ Scorpio, Secrets; ♐ Sagittary, Thighs; ♑ Capricorn, Knees; ♒ Aquarius, Legs; ♓ Pisces, the Feet.

The Characters of the Planets, with the Dragons Head and Tail.
♄ Saturn, ♃ Jupiter, ♂ Mars, ☉ Sol, ♀ Venus, ☿ Mercury, ☾ Moon, ♀ Dragons Head, ☿ Dragons Tail.

The Aspects.

Conjunction, * Sextile, □ Quartile, △ Trine, ♂ Opposition.

Brief Chronology of Memorable things
this Year, 1702.

T he Creation of the World	3651
Noahs Flood	3995
The destruction of Sodom and Gomorrah	5004
The destruction of Troy	2884
Brute entered this Island	2800
The Building of London	2900
The Building of York	2901
The Building of Leicester	2915

1702.

The building of *Canterbury*
 The building of *Stamford*
 The building of *Rome*
 The destruction of *Jerusalem* by *T. Vesp.*
England first received the *Christian Faith*
 The *Tower of London* built
Duke William conquered *England*
Westminster Hall was built
 The *Bible* divided into *Chapters*
 The *Invention of Guns*
 The *Art of Printing*
St. Pauls Steeple fired by *Lightning*
 New *Star* in *Cassiopeia*
 A great *Snow* fell *Feb. 4.*
Tilbury Camp on *St. James's day*
 A *Plague* in *London*, whereof dyed 30598
Gunpowder Treason, *November 5.*
 A great *Snow*, and *Smithfield* paved
 A great *Plague* in *London*, whereof dyed 35418
 The *Long Parliament* began, *November 3.*
King Charles the First was *Murdered*
 Two *Comets* appeared in *December* and *March*
 The *deleful Plague* that followed them
London was burnt, *September 2, 3, 4, 5*
 The last great *Snow*
 The wonderful *Comet* in *December*
 A *Comet* in *August*
 The terrible *Fire* in *Wapping*, *November 19.*
 A great *Earthquake*, *October* the 6th
 The last great *Frost*
 The *Rebellion* in the *West*
 The seven *Bishops* sent to the *Tower*, *June*
 The *Prince of Orange* Landed, *November 5.*
King William went to *Ireland* with an *Army*, *June*
 The *French Fleet* beaten by the *English* and *Dutch*, &c.
 Our Most Gracious *Queen Mary* Dyed, *Dec. 28.*
 The *Horrid Conspiracy* to *Assassinate His Majesty King*
William, and to bring in the *French*, was happily disco-
 The *Peace* conoluded with *France*

Since

Of the Eclipses this Year 1702.

Three times will the Luminaries be Eclipsed, as to the Inhabitants of this Terraqueous Planet; viz. twice the Sun, and once the Moon; and only that of the Moon visible to us in England. They happen as followeth.

The first Eclipse is of the Sun, January the 17th, between 1 and 2 in the morning, and therefore invisible unto us: But it will appear very great in the further parts of the East-Indies, *Hollandia Nova*; as also in the more remote parts of the West-Indies, about *Zelandia Nova*, &c.

The second Eclipse is also of the Sun, July the 12th day, about 10 of the Clock at Night, and invisible unto us also; it will be a great Eclipse to the Northern parts of *America*, *Nova Mexico*, *California*, &c.

The third and last Eclipse is of the Moon, December the 22th night after 7 in the morning. The Calculation thereof, as I received it from my Ingenious Friend Mr. Joseph Peper of Stamford, for the Meridian of the same Place, is as followeth.

True time of the true ☉ at Lond. Dec. 22. at 19h. 15'. 15". P.M.		Sig.	deg.	
in Anomaly of the Sun	_____	6—	4—	51—18
in Anomaly of the Moon	_____	1—	17—	31—43
of the Sun from the Earth	_____	79—	12—	19—10
of the Moon in her Orbit	_____	5—	12—	19—10
of the Node subtract	_____	3—	19—	5—5
Argument of Latitude	_____	11—	23—	14—5
Latitude of the Moon South descending	_____		35—	18
Latitude add	_____		1—	32
of Reduction subtracted	_____		3—	16
True Time of Opposition, Dec. 22th at 19 Hours	_____		11—	59
Time of Time subtract	_____		4—	57
True Time at London, 22th day	_____		19 Hours	7—02
Difference of Meridians subtract	_____		2—	00
True Time at Stamford, the 22th day, 19 Hours	_____		5—	02
Diameter of the Moon	_____		14—	37
Diameter of the Earth's shadow	_____		37—	48
of the Semidiameters	_____		52—	35
deficient	_____		17—	07

Digits Eclipsed are	7	
Interval of the Opposition and greatest Obscuration, add	6	
Motion of half duration	38	
Time of half duration	1 Hour	22
The middle of the Eclipse at	19	11
Beginning at	17	45
End at	20	33
Total duration	2	44
Moon's Latitude at the beginning, South descending	38	
Moon's Latitude at the end, South descending	31	

*A Type of the Eclipse, Dec. 22, at 19 ho. 15'. 15". P. M.
or December the 23th, a quarter after 7 in the morning.*



In this Figure, the semicircle A, B, C, D, represents part of the shadow of the *Earth* which Eclipseth the *Moon*; the Line E, E, the Ecliptick which the centre of the *Moon* always observeth; the Line L, L, the way of the *Moon* in her Orb: And so much of the *Moon* as passeth through the shadow is Eclipseed, as the Figure sheweth. The End of this Eclipse will not be seen by us, the *Moon* setting a little before it is fully ended; But Westward from us it will all be seen; as the *Canary Isles*, the *Isles of the Green Cape*; and in some parts of *America*.

Of Eclipses of the *Sun*, it is said that, In ~~xxx~~ decem gradibus, publici mœroris & luctus materiam præbet. Et demario primo summi alicujus principis mortem, & rei frumentariae penuriam.

...præmonstrat. And of Eclipses of the Sun in said
...in Cancer, Denario secundo, exactionis acerbas, tributa in-
...rabilia & huiusmodi onera portendit. But neither of the
...sides of the Sun being visible unto us, 'tis hoped we may
...but little concerned with their Effects.

Of the Four Quarters of the Year, and first of the Spring.

His Year the Spring Quarter begins (according to the *Ca-
roline Tables*) the 10th day of *March*, 13 min. 49 sec. after
...of the Clock in the morning, in the Meridian of *London*,
...at *Leicester* 4 min. sooner; the Sun then entering *Aries*, (or
...Earth *Libra*) maketh equal day and night to all the Earth,
...cept under the *Poles*). Now as the Days and Nights are of
...al length, so is there an equality in the temper of the Air,
...ereby the Pores of the Earth are loosened and opened, and an
...livening Fume evaporating, ascendeth by the cold and chill-
...d Roots of Herbs and Plants, and produceth their vegetable
...e. This Quarter is generally hot and moist; and if it prove
...erwise, it bringeth Diseases and dangerous Distempers. Such
...sons as are naturally Melancholy, do enjoy their Healths the
...st this Quarter; the Sanguine the contrary. Such Diseases as
...ceed from excess and putrefaction of Blood are most dan-
...ous; but such as have their original from Melancholy are
...hurtful. In *March* be not too busie in purging or bleeding,
...rather bathe, and use such meats and medicines as purge
...d sweeten the blood. In *April* you may freely bleed, bathe
...purge, if there be occasion. In *May* it is wholesome to drink
...rified Whey. Now Drink but little Wine; and forbear
...h Meats as are of a hot Quality.

Of Summer.

Summer Quarter begins this Year *June* 11. 20 min. 49 sec.
...after 2 of the Clock in the morning, in the Meridian of
...don, the Sun then entering the Tropical Sign *Cancer*, (or the
...th *Capricorn*) maketh the longest Day and shortest Night to
...on this side the Equator. This Quarter is naturally hot and
...; persons of phlegmatick Constitutions are now best in
...th, and the Cholerick the contrary. Ancient people do now
...ive, but young people languish through excess of Blood,
...are thereby much exposed to Fevers, especially the Tertian.
...June abstain from such meats as ingender raw, crude and

In July beware of bleeding or purging, there be great necessity; beware also of eating such meats ingender Melancholy, and of taking Cold. In this and the Month refrain immoderate Exercise and Venery, and drink much Wine; for now it dryes the Stomach and Liver; doth too much increase Choler.

Of Autumn.

Autumn begins this Year September 12. at 4 ho. 1 min. sec. Afternoon, the Sun then entring *Libra*, or the *Balances*, doth again make equal Day and Night. This Quarter naturally cold and dry, resembling Melancholy. Youth is lively. Persons of moist and phlegmatick Constitutions are best in Health, the Melancholy the contrary. In September moderately of all such Meats and Fruits as your Stomach desires. In this Month or the next you may bleed or purge if there be occasions; but in November Melancholy increaseth, and Blood decreaseth. Now salted or powdered Meats may be eaten without prejudice. Roasted meats, and Wild Fowl, are now held to be very wholesome. In this Quarter beware of taking Cold.

Of Winter.

Winter this Year begins December the 11th, 31 min. 17 sec. after 5 of the Clock in the morning, in the Meridian of London; the Sun then appearing at the entrance into *Capricorn*, maketh our shortest Day and longest Night. This Quarter naturally is cold and moist. Youth and cholerick people now best in Health, but aged and phlegmatick people the contrary. In December Melancholy and Phlegm do much increase. 'Tis not now good to bleed or purge, unless there be great occasion. To drink Wine now and then, and to use good Spices in your Diet is very good. The same observe in January. In February you may take Pills to purge the Head. Bathe or Bleed, if there be occasion.

The Conjunction of ♄ and ♂ this Year in ♊ , the reputed Ascendant of England, France and Germany, with the double appearance of things at present, whether tending to Peace or War, will give a large Field for the *Astrologer* to walk in. remember upon the last Conjunction of these two Planets, which in the latter end of 1682, and beginning of 1683, was there repeated: Amongst others that gave Judgment thereon.

H. H.

...ness and Fullblood, that it can rarely be paralleld; yet so
ing in those Times, that he was incouraged to write an Ap-
pendix thereto, which was only the second part to the same
ne. And finding nevertheless that some that pretend to Art
and Skill. have seemed to give Credit thereto, and have it in
great esteem, I shall here give you some Account thereof, espe-
cially the Appendix. Both the Catastrophe and Appendix were writ
out such time as the *Turks* besieged *Vienna*. There was such
wonderful Success predicted to the *Turk*, as was altogether asto-
nishing, especially to the over-credulous; *Vienna* must be taken,
the *Turk* run through *Germany*, *Italy*, part of *France* and *Spain*,
and that speedily. Appendix, pag. 17. he doth threaten *Austria*
with great Devastation; and also the taking of *Vienna* it self.
pag. 19. & his long transir in tells us, That *Austria* shall be
much wasted, and great part of the People carried captive, and
the great Town of *Vienna* go near to be lost. Page 20. *Croatia*,
Hungaria, *Moravia*, *Scigronia*, must all suffer much. Then comes
the *Turk* into *Italy*, brings it under his Yoke, and carries the
people into Bondage: Also the Dukedoms of *Bavaria* and *Win-*
zburg must have their share of these Troubles. In pag. 21. then
will *France* be in fear; for the *Turk* will invade his new Con-
quest in *Alsatia*, and pass through *Lorain* into *France*, and take
Burgundy in the twinkling of an Eye. All the 17 United Provinces
submit to his Protection, without being invaded; and by so
doing save their Country from Fire and Sword, &c. He after
calculates the Emperour of *Germany's* Nativity, and having
found up a many bad Directions, tells us, they are enough to
destroy any Man in the World. He Calculates the *Turk's* Nati-
vity, and tells us, he is like to gain a great part of *Christendom*
in few Years. He Calculated the King of *France's* Nativity, and
tells him as bad News as any. But I have not room to tell you
any more of his false Predictions. At present let this suffice.

find the Rising, Southing and Setting, of several fixed Stars here-
after mentioned.

IN the Tables following you have first the Seven Stars Southing
for every fifth day: in the second Table is set the difference
between the Southing of those Stars herein named, and the seven
Stars, which being added to the time of the seven Stars Southing,

Given their place in the same Table is also set their Semidiurnal Arch
 thereby to find the rising and setting of the said Stars. Suppose
 is required to know what time the great Dog-star called *Syr*
 will be South the 11th. of *February*? I then find the Seven Stars
 South at 5 ho. 10 min. to which I add 3 ho. 2 min. the difference
 annexed to the great Dog-Star, and it makes 8 ho. 12 min. being
 the time of its Southing the said 11th. of *February*. If to the
 Southing you add the Semidiurnal Arch 4 ho. 31 min. it gives
 the time of its setting at 12 ho. 43 min. but if you subtract the
 Semi-diurnal Arch from the Southing it leaveth the time of its
 Rising. The like may be done by any other of the said Stars.

For the better distinction of the several sizes of Stars they are
 divided into six several magnitudes, The biggest and brightest
 Stars are called Stars of the first Magnitude. Those one size infe-
 rior in light, and bigness are called Stars of the second Magnitude
 &c. Now for the better knowing the Stars hereafter mentioned
 Note, that the great Dog-star, Lions Heart, Virgins Spike, and the
 bright star of *Lyra*, are accounted stars of the first magnitude, &
 are also *Aldebaran* and *Arcturus*, but they are Red stars, much of the
 colour of *Mars*, all the rest in the Table are of the second mag-
 nitude, except the Northern and Southern *Aff*, which are small
 Stars being of the fourth magnitude.

A Table shewing the Hour and minute of the Seven Stars com-
 ing to South, every 5th day of this year, 1702.

Moneths	Dayes of the Moneth.											
	I		6		11		16		21		26	
	H.	M.	H.	M.	H.	M.	H.	M.	H.	M.	H.	M.
January	7	A 57	7	A 36	7	A 14	6	A 53	6	A 32	6	A 10
February	5	A 49	5	29	5	10	4	51	4	32	4	14
March	4	A 03		41	3	23	3	4	2	46	2	28
April	2	A 71		48	1	30	1	11	0	52	0	32
May	0	A 14	11	M 54	11	M 34	11	M 14	10	M 53	10	M 33
June	10	M 8	9	47	9	26	9	6	8	45	8	29
July	8	M 57		45	7	24	7	4	6	45	6	29
August	6	M 35		45	5	26	5	8	4	49	4	31
September	4	M 10	3	52	3	34	3	17	3	0	2	44
October	2	M 22	2	3		44	1	25	1	5	0	46
November	0	M 23	0	2	11	A 39	11	A 16	10	A 54	10	32
December	10	A 11	9	A 40	9	26	9	4	8	41	8	20

able shewing the difference in hours and minutes between
the coming to south of several fixed stars, and the seven stars,
also their semi-diurnal Arches thereby to find their rising
and setting.

Names of the Stars.	Diff. south.		semid. Arches		Names of the Stars.	Diff. south.		semid. Arches	
	b.	m.	b.	m.		b.	m.	b.	m.
Aldebaran B. eye	0	49	7	28	Lions heart, Basil.	6	23	7	13
Al. in Orions Girdle	1	51	5	54	Virgins Spike	9	40	5	9
Ar. Dog. Sirius	3	34	31		Arcturus	10	32	8	0
Castor 1st. head II	3	46	9	47	South ballance	11	54	40	
Al. Dog. Procyon	3	54	6	32	North ballance	11	31	5	10
Flux, 2d. head II	3	57	9	4	Northern Crown	11	52	8	55
Northern Ass.	4	56	8	12	bright * Lyræ	14	57	sets not	
Southern Ass.	4	58	7	49	bright * Vulturæ	16	66	43	

Here followeth some few Rules, and Tables for the mensuration of
Superficies and Solids.

For the Mensuration of superficial or flat measures, such
as Board, Glas, Pavement, Hangings, &c. it will be ne-
cessary to know how to meaſure any plain superficial figure, as
the Square, Long-square, or Parellelogram, Triangle, Circle,
parts of the Circle, &c. examples of all which do here follow.

I. How to measure a Square.

Let there be a square floor, or pavement, the
sides whereof are each of them 5 feet 6 inches,
and 'tis required to know how many square, or
superficial feet are contained therein. First (a
good plain way to avoid Fractions will be to) Re-
duce the whole side into inches, 5 feet, 6 inches,
being 66 inches, multiply 66 by 66, and the Pro-
duct will be 4356, the superficial content in in-
ches; then divide 4356 by 144 (the square inches
in one foot) and the quotient will be 30 feet, and
6 inches remaining, which is the number of in-
ches in one quarter of a foot, so that in such a
square is contained 30 feet and one quarter. See
the Margin.

$$\begin{array}{r}
 66 \\
 66 \\
 \hline
 396 \\
 396 \\
 \hline
 4356 \\
 4356 \\
 144 \\
 \hline
 30
 \end{array}$$

II. 20

Suppose there be a Pavement whose length is 72 feet, and breadth 12 feet, how many feet is contained therein.

72
12

Multiply 72 in length, by 12 the breadth, and the product will be 864, and so many superficial feet are contained in that Pavement.

144
72
864

III. To Measure a Long Superficies, which is broader at one end than at the other.

Let there be a superficies whose length is 72 inches, the breadth of the greater end 50 inches, and the breadth of the lesser end 34 inches, and let it be required to know how many feet are contained therein. First, add the breadths of both the ends together, which maketh 84, take half thereof, which is 42, which being multiplied by 72 the length, the product will be 3024 the content in inches, which being divided by 144 (the inches in one foot) the Quotient will be 21 feet, and nothing remaining, so that there is exactly 21 feet in such a superficies.

72
42
144
288
3024
144
288 (21)
144

IV. How to Measure Triangles.

All Right lined Triangles are measured by this general Rule.

Multiply half the length of the Base by the whole Perpendicular. Or, the whole length of the Base by half of the Perpendicular.

Suppose the Base of a Triangle be 44, and the Perpendicular 26, what is the Content.

Multiply 44 (the Base) by 13, (half the perpendicular) the Product will be 572 : Or 22 (half the Base) being multiplied by 26, (the whole perpendicular) the Product will be 572, as before, which is the Content of such a Triangle.

V. All Trapezias, or Figures with four unequal sides ; also Multangular, or many sided irregular Figures, must be divided into Triangles, and those Triangles measured as before is taught, and their sums added together will give the content of such irregular Figures. And note, that the least number of Triangles, into which any plot or irregular figure may be reduced, will be less by two than the number of the sides of such irregular figures.

VI. How to measure Circles, and parts of Circles.

The Diameter of every Circle hath such proportion to the circumference of the same Circle as 7 hath to 22. Therefore

72
12
144
72
864
72
42
144
288
3024
144
288 (21)
144
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... Diameter being given to find the Circumference, you must multiply the Diameter by 22, and the product being divided by 7, the Quotient will be the circumference. Thus, suppose the Diameter of a Circle be 14, multiply 14 by 22, the product will be 308, which being divided by 7, the Quotient is 44, being the circumference of that Circle whose Diameter is 14.

Having the Circumference to find the Diameter.

Multiply the circumference given by 7, the product divide by 22, and the Quotient will be the Diameter. Let the circumference of a circle be 60, multiply 60 by 7 the product will be 420, which being divided by 22, the Quotient will be 19, and $\frac{2}{3}$ or $\frac{11}{3}$ which is the Diameter.

To find the Area or Superficial content of a Circle. Multiply half the circumference by half the Diameter, the product is the content of the Circle: Thus, Let the circumference be 60, the half whereof is 30, and the Diameter 19 $\frac{2}{3}$ the half whereof is 9 $\frac{1}{3}$, by which multiplying 30, the product will be 286 $\frac{4}{11}$ which is the superficial content of such a Circle; or,

By the Diameter to find the Area of the circle. First, square the Diameter, multiply the square by 11, and divide the product by 14, the Quotient is the superficial content of the circle.

Let the Diameter be as above 19 $\frac{1}{3}$ the square whereof is 376 $\frac{4}{9}$ this multiplied by 11 produceth 4140 $\frac{4}{9}$ which being divided by 14 the Quotient is 286 $\frac{4}{11}$ as above, being the superficial content of such a circle.

To measure the superficial content of half the circle, the quarter of a circle, or of any other section of a circle, more or less, having the semidiameter given.

Multiply half of the compass thereof by the semidiameter of the circle, so shall you have the content.

Of the Mensuration of Solids.

AS Plain or Superficial Measure consisteth of two dimensions, namely length and breadth; so Solid measure consisteth of three dimensions, namely length, breadth and thickness.

To measure any kind of Timber, either Square, Triangular, Round, or of any other Fashion, provided it be straight and equal all along.

Cast up the superficial Content at the end thereof, by the Rules before going, for the finding the Content of the Square, Triangle, Circle, &c. which Superficial Content being multiplied

by the length of the Piece, will give you the Solid Content thereof. *Example.* Let there be a piece of Timber, (or other solid matter) whose breadth is 18 inches, its depth 12 inches, and length 142 inches, to find how many solid feet are contained therein. First, multiply the breadth 18 by the depth 12, the product is 234, being the superficial Inches at the end of the piece. Secondly, multiply this 234 by 142 the length of the piece, and the product will be 33228, the solid Content in inches. Thirdly, divide 33228 by 1728, (being the number of cubical inches in one solid foot) and the quotient will be 19, and 996 inches remaining, which is 19 solid feet, and almost one quarter of a foot, and so much is the solid content of such a piece.

A 2d Example of a round piece. Let there be a round piece of Timber whose compass is 60 inches, and the length 20 feet, (or 240 inches) and let it be required to find the solid content thereof. First, by the help of the circumference 60, find the Diameter (as before is taught) by multiplying 60 by 7, and dividing the product thereof by 22, so shall you find the Diameter to be $19\frac{1}{2}$. Then by either of the ways before taught, viz. by multiplying the circumference by $\frac{1}{2}$ the Diameter; or by (squaring, or) multiplying the Diameter in it self, and multiplying that square by $\frac{1}{14}$, and dividing the product by 14, the superficial content of the end of such a piece will be found to be $286\frac{4}{7}$ inches. Now multiply this $286\frac{4}{7}$ by the length of the piece 240, and the product will be $68727\frac{3}{7}$ the content in inches, which being divided by 1728, the quotient will be 39 feet, and $\frac{3}{4}$ of a foot, and $39\frac{3}{4}$ inches remaining, which is the solid content of such a piece of Timber. But had this piece of Timber been measured by that egregiously false way of taking $\frac{1}{4}$ part of the Girt for the side of the square end, it would have been found to be but 31 feet and $\frac{1}{2}$ of a foot, which is above $\frac{1}{4}$ part less than the truth, it being 39 feet, & above $\frac{1}{4}$.

In behalf of that erroneous way many do plead, that in round Timber there is great loss in chipping to bring it near a square, therefore that way may be allowed; but this is very unequal; in great Timber there being little loss, in small Timber much, yet therefore the quality be considered, rather than make such unequal amends by a false quantity.

Of the Mensuration of Tapering Timber, either round or squared, such as Frustums of Cones and Pyramids.

First find the superficial Area of each end of the piece, and multiply the one Area by the other. Secondly, out of the

Thirdly, add the Root and the two Area's all into one sum.
 Lastly, multiply this sum by one third part of the length of the piece, and that product shall give you the Content.

Let there be a piece of Timber whose Circumference at the greater end is 66 inches, at the lesser end 44 inches, and the length 20 feet, and it is required to find how many solid inches are contained therein. First, the Area of the Circle at the greater end (by multiplying half the Circumference 33 by half the Diameter $10\frac{1}{2}$) will be found to be $346\frac{1}{2}$, and the Area of the Circle at the lesser end will be 154. These multiplied together do produce 53361. Secondly, out of this product extract the Square Root, which is 231, (for 231 being multiplied in it self produceth 53361). Thirdly, add the two Areas, and the Square Root 231 together, and the sum of them will be $731\frac{1}{2}$. Lastly, multiply $731\frac{1}{2}$ by 80 inches, (one third part of the length) and the product will be 58520, being the solid inches contained therein, which inches being divided by 1728, the Quotient will be 33 feet, and 1496 inches remaining, which is 3 quarters of a foot, and almost half a quarter.

To find the Content of Tapering Timber, other ways than is taught above.

These pieces being parts of Cones or Pyramids, their Contents may be found by seeking the Content of the whole Cone or Pyramid, (of which they are part) and the Content of the part which is wanting, for that part being substracted from the whole, the remainder must be the Content of the part required.

Now the way to find the content of a Cone or Pyramid is to multiply the superficial Content of the Base by one third part of the length; and to find the length of the top part of a Cone or Pyramid which is wanting; say thus, As the difference of the sides, or Diameters of the two ends, to the length between them; so is the side, or Diameter of the greater end to the whole length. *Example*, of the piece before mentioned whose greater end is 66 inches about, and the lesser end 44, hence the Diameter of the greater end will be 21, and the Diameter of the lesser end will be 14, and their difference is 7, therefore say, If 7 give 20 feet what will 21 give? Answer, 60 feet; being the whole length of the Cone; Now the superficial content

Content of the Base of the Cone, (being 40000 inches) multiplied by 240 inches, (one third part of the length of the whole Cone) produceth 83160 inches, the content of the whole Cone. The superficial content of the lesser end, (which is the Base, of the top (or wanting) part of the Cone) which is 15000 inches, being multiplied by 160, (one third part of the length of the top (or wanting) part) produceth 24640 inches, the content of the wanting part, which being subtracted from 83160, (the content of the whole Cone) the remainder is 58520 inches, the content of the part required, being the same as before.

Here followeth Tables ready calculated, for the Measuring of Squared or Round Timber, which is supposed to be equal all along: Their use is thus, seek the side of the Squared, or compass of the Round Timber, in the first, third or fifth column of the Tables, and against it, in the next column you have the length of a solid foot. Thus, the side of a squared piece of Timber being 20 inches, the length of a solid foot will be 4 inches and 3 tenth parts of an inch: And the compass of a round piece, being 80 inches the length of a solid foot will be found to be 3 inches, and 39 hundredth parts of an Inch.

A Table, shewing how much in length will make a Solid foot, of any Square Stone or Timber: The side of the Square being given in Inches, from one inch to 26 Inches square.

Side of the Square.	Length of a solid foot.	Side of the Square.	Length of a solid foot.	Side of the Square.	Length of a solid foot.
Inch.	Fe. inc. 10ths.	Inch.	Inc. 10th.	Inch.	Inc. 10th.
1	144 0 0	13	10 2	25	2 8
2	36 0 0	14	8 8	26	2 6
3	16 0 0	15	7 6	27	2 3
4	9 0 0	16	6 7	28	2 2
5	5 9 2	17	5 9	29	2 1
6	4 0 0	18	5 3	30	1 9
7	2 11 2	19	4 8	31	1 8
8	2 3 0	20	4 3	32	1 7
9	1 9 3	21	3 9	33	1 6
10	1 5 3	22	3 5	34	1 5
11	1 2 3	23	3 3	35	1 4
12	1 0 0	24	3 0	36	1 3

A Table

A Table shewing how many inches in length will make
solid, of any round piece of Timber or Stone, the Girth
known, from 12 inches compass to 100.

Com. len. of a foot			Com. len. of a foot			Com. len. of a foot		
Inch.	Inch.	100 p.	Inch.	Inch.	100 p.	Inch.	Inch.	100 p.
11	179	46	41	12	92	71	4	31
12	150	80	42	12	31	72	4	20
13	128	49	43	11	74	73	4	08
14	110	79	44	11	31	74	3	97
15	94	31	45	10	72	75	3	86
16	84	82	46	10	26	76	3	75
17	75	14	47	9	83	77	3	64
18	67	02	48	9	42	78	3	57
19	60	15	49	9	04	79	3	48
20	54	29	50	8	69	80	3	39
21	49	23	51	8	35	81	3	31
22	44	86	52	8	03	82	3	23
23	40	90	53	7	73	83	3	15
24	37	69	54	7	42	84	3	08
25	34	74	55	7	18	85	3	01
26	32	12	56	6	92	86	2	94
27	29	79	57	6	68	87	2	87
28	27	70	58	6	45	88	2	80
29	25	82	59	6	24	89	2	72
30	24	13	60	6	03	90	2	65
31	22	60	61	5	84	91	2	57
32	21	21	62	5	65	92	2	51
33	19	92	63	5	47	93	2	46
34	18	78	64	5	30	94	2	41
35	17	74	65	5	14	95	2	36
36	16	76	66	4	98	96	2	31
37	15	86	67	4	84	97	2	26
38	15	04	68	4	70	98	2	21
39	14	28	69	4	56	99	2	17
40	13	57	70	4	43	100	2	13

Working and Arithmetic Taught by Mr. Joseph Peper at Stamford in Lincolnshire: With whom Youth may be commendably Boarded for speedier Improvement.

AT Barrow near Loughborough in Leicestershire, (mentioned by Camden in his Britannia for affording the best and most approved sort of Linform Building) is now made Choice Linn, by Henry Beaumont of Barrow. said; where such as have occasion may be furnished at Reasonable Rates.

MR. Robert Bateman's true Spirits of Scurvy Grass, both Golden and so long famous for their Vertues, are truly prepared only by me Dr. Smith, sole Executrix to the said Mr. Bateman, to whom only he commends his Receipt for preparing them; which are to be sold at my House near Doctors Commons, at the Sign of Mr. Batemans Head, and at other places, at reasonable Bills. Price each Bottle One Shilling.

And whereas one Stephen Terry pretends to make the said Mr. Batemans Spirits, he is only an Defters and a Pretender, and his Spirits Counterfeits: beware of them

The said Mrs. Marina Smith sells also the Grand Balsamick, or Healing curing Pills, approved by the most Eminent Physicians in England to be one of the most safe and pleasant Purgers in the World, their Vertues are set down in printed Sheet given with them Price One Shilling the Box.

THere is lately brought from Chili a Province in America, a most excellent natural Balsam, found by several eminent Persons to excel that of Peru Tolu, in curing of divers Diseases, as it hath given demonstration: 'Tis a rare that no man under the Sun can compose, being a most Odoriferous and Natural Balsam: It cures most Diseases in humane bodies, particularly helps all coming from Cold; chiefly pains in the Stomach, want of Appetite: Corrobbates and strengthening the whole Body: It is a wonderful Remedy for all inward bruises, or ulcers of the Lungs, Reins, Bladder, or Womb, &c. It helps stop of Breath, Cough, Consumption or Wheezings: It is good in most Diseases of the Head, as Falling sickness, Apoplexy, Palsey, Trembling, Convulsion, Head and giddiness of the Head; and strengthens the Brain and Nerves: It kills Worms, and helps the Stone, and is a good provoker of Urine, and brings away Sand and Gravel, which oftentimes obstructs the Urine: It helps all fluxes of Belly, &c. It is only to be had of Eben. Tracy at the 3 Bibles on London-brook at 18 d. the Ounce. The Bottles are sealed with the Balsam-tree.

IF any Gentleman or other Person would have his Land surveyed, or any Building or Edifice measured, either for Bricklayers, Carpenters, Masons, Plasterers, The Author of this Almanack will perform the same, either for Master or Workmen: And if any Person would have about his House or Garden, any Sun-Dial either Direct, Declining, Inclining, Reclining, Concave, Convex or Reflective, will make or prepare for them such as they shall desire.

From Leekthorp near Melton-Mowdry, in the County of Leicester, Sept. 28. 1701.